Juan Granja

List of Publications by Year in Descending Order

111 papers	9,096 citations	39 h-index	95 g-index
130 ext. papers	9,722 ext. citations	8.9 avg, IF	5.87 L-index

#	Paper	IF	Citations
111	Cyclization and Self-Assembly of Cyclic Peptides. *Methods in Molecular Biology*, **2022**, 2371, 449-466	1.4	0
110	Partition of antimicrobial D-L-α-cyclic peptides into bacterial model membranes. *Biochimica Et Biophysica Acta - Biomembranes*, **2022**, 1864, 183729	3.8	0
109	Effect of Water Models on Transmembrane Self-Assembled Cyclic Peptide Nanotubes. *ACS Nano*, **2021**, 15, 7053-7064	16.7	2
108	Molecular Plumbing to Bend Self-Assembling Peptide Nanotubes. *Angewandte Chemie - International Edition*, **2021**, 60, 18838-18844	16.4	1
107	Molecular Plumbing to Bend Self-Assembling Peptide Nanotubes. *Angewandte Chemie*, **2021**, 133, 18986-18992	3.6	
106	Double Orthogonal Click Reactions for the Development of Antimicrobial Peptide Nanotubes. *Chemistry - A European Journal*, **2021**, 27, 3029-3038	4.8	3
105	Transmembrane Self-Assembled Cyclic Peptide Nanotubes Based on α-Residues and Cyclic β-Amino Acids: A Computational Study. *Frontiers in Chemistry*, **2021**, 9, 704160	5	0
104	Macromolecular assembly and membrane activity of antimicrobial D,L-α-Cyclic peptides. *Colloids and Surfaces B: Biointerfaces*, **2021**, 208, 112086	6	1
103	Spatially Controlled Supramolecular Polymerization of Peptide Nanotubes by Microfluidics. *Angewandte Chemie*, **2020**, 132, 6969-6975	3.6	7
102	Spatially Controlled Supramolecular Polymerization of Peptide Nanotubes by Microfluidics. *Angewandte Chemie - International Edition*, **2020**, 59, 6902-6908	16.4	17
101	Membrane targeting antimicrobial cyclic peptide nanotubes - an experimental and computational study. *Colloids and Surfaces B: Biointerfaces*, **2020**, 196, 111349	6	6
100	Induced β-cyclic peptide rotodimer recognition by nucleobase scaffolds. *Peptide Science*, **2020**, 112, e24132	3	5
99	Parallel Versus Antiparallel β-Sheet Structure in Cyclic Peptide Hybrids Containing α- or β-Cyclic Amino Acids. *Chemistry - A European Journal*, **2020**, 26, 5846-5858	4.8	7
98	Competitive double-switched self-assembled cyclic peptide nanotubes: a dual internal and external control. *Physical Chemistry Chemical Physics*, **2019**, 21, 20750-20756	3.6	8
97	Tight Xenon Confinement in a Crystalline Sandwich-like Hydrogen-Bonded Dimeric Capsule of a Cyclic Peptide. *Angewandte Chemie - International Edition*, **2019**, 58, 14472-14476	16.4	7
96	Tight Xenon Confinement in a Crystalline Sandwich-like Hydrogen-Bonded Dimeric Capsule of a Cyclic Peptide. *Angewandte Chemie*, **2019**, 131, 14614-14618	3.6	2
95	Versatile symport transporters based on cyclic peptide dimers. *Chemical Communications*, **2019**, 56, 46-49	3.8	7

94	Novel synthesis of platinum complexes and their intracellular delivery to tumor cells by means of magnetic nanoparticles. *Nanoscale*, **2019**, 11, 23482-23497	7.7	17
93	pH-Triggered self-assembly and hydrogelation of cyclic peptide nanotubes confined in water micro-droplets. *Nanoscale Horizons*, **2018**, 3, 391-396	10.8	40
92	Different-Length Hydrazone Activated Polymers for Plasmid DNA Condensation and Cellular Transfection. *Biomacromolecules*, **2018**, 19, 2638-2649	6.9	25
91	Supramolecular Recognition and Selective Protein Uptake by Peptide Hybrids. *Chemistry - A European Journal*, **2018**, 24, 10689-10698	4.8	9
90	New self-assembling peptide nanotubes of large diameter using □amino acids. *Chemical Science*, **2018**, 9, 8228-8233	9.4	20
89	cis-Platinum Complex Encapsulated in Self-Assembling Cyclic Peptide Dimers. *Organic Letters*, **2017**, 19, 2560-2563	6.2	13
88	Supramolecular functional assemblies: dynamic membrane transporters and peptide nanotubular composites. *Chemical Communications*, **2017**, 53, 7861-7871	5.8	47
87	Recent advances in controlling the internal and external properties of self-assembling cyclic peptide nanotubes and dimers. *Organic and Biomolecular Chemistry*, **2017**, 15, 4490-4505	3.9	51
86	One step construction of a taxane-like skeleton by a diendiyne metathesis cyclization reaction. *Organic Chemistry Frontiers*, **2017**, 4, 460-466	5.2	4
85	Self-Assembling Molecular Capsules Based on □Cyclic Peptides. *Journal of the American Chemical Society*, **2017**, 139, 776-784	16.4	48
84	Self-assembling Venturi-like peptide nanotubes. *Nanoscale*, **2017**, 9, 748-753	7.7	22
83	Towards taxane analogues synthesis by dienyne ring closing metathesis. *Organic Chemistry Frontiers*, **2016**, 3, 1331-1336	5.2	6
82	In Situ Functionalized Polymers for siRNA Delivery. *Angewandte Chemie*, **2016**, 128, 7618-7621	3.6	15
81	Anion Recognition and Induced Self-Assembly of an □Cyclic Peptide To Form Spherical Clusters. *Angewandte Chemie*, **2016**, 128, 4580-4584	3.6	4
80	Self-assembling □cyclic peptides that generate cavities with tunable properties. *Chemical Science*, **2016**, 7, 183-187	9.4	27
79	Bioinspired Artificial Sodium and Potassium Ion Channels. *Metal Ions in Life Sciences*, **2016**, 16, 485-556	2.6	5
78	R□cktitelbild: In Situ Functionalized Polymers for siRNA Delivery (Angew. Chem. 26/2016). *Angewandte Chemie*, **2016**, 128, 7676-7676	3.6	
77	In Situ Functionalized Polymers for siRNA Delivery. *Angewandte Chemie - International Edition*, **2016**, 55, 7492-5	16.4	57

76	Anion Recognition and Induced Self-Assembly of an Cyclic Peptide To Form Spherical Clusters. *Angewandte Chemie - International Edition*, **2016**, 55, 4504-8	16.4	26
75	Self-Assembly of Silver Metal Clusters of Small Atomicity on Cyclic Peptide Nanotubes. *ACS Nano*, **2015**, 9, 10834-43	16.7	38
74	Self-Sorting of cyclic peptide homodimers into a heterodimeric assembly featuring an efficient photoinduced intramolecular electron-transfer process. *Chemistry - A European Journal*, **2014**, 20, 3427-38	4.8	15
73	Coupling of carbon and peptide nanotubes. *Journal of the American Chemical Society*, **2014**, 136, 2484-91	16.4	65
72	Biomembranes: Single-Nucleotide-Resolution DNA Differentiation by Pattern Generation in Lipid Bilayer Membranes (Small 18/2014). *Small*, **2014**, 10, 3612-3612	11	
71	Liquid crystal organization of self-assembling cyclic peptides. *Chemical Communications*, **2014**, 50, 688-90	6.8	29
70	Single-nucleotide-resolution DNA differentiation by pattern generation in lipid bilayer membranes. *Small*, **2014**, 10, 3613-8	11	14
69	Molecular pom poms from self-assembling cyclic peptides. *Chemistry - A European Journal*, **2014** , 20, 10260-5	4.8	10
68	Membrane-targeted self-assembling cyclic peptide nanotubes. *Current Topics in Medicinal Chemistry* , **2014**, 14, 2647-61	3	21
67	Ion channel models based on self-assembling cyclic peptide nanotubes. *Accounts of Chemical Research*, **2013**, 46, 2955-65	24.3	235
66	Effect of Organochloride Guest Molecules on the Stability of Homo/Hetero Self-Assembled Cyclic Peptide Structures: A Computational Study Toward the Control of Nanotube Length. *Journal of Physical Chemistry C*, **2013**, 117, 10143-10162	3.8	10
65	Design of stable sheet-based cyclic peptide assemblies assisted by metal coordination: selective homo- and heterodimer formation. *Chemistry - A European Journal*, **2013**, 19, 4826-34	4.8	18
64	Synthesis of Cyclic Amino Acids for Foldamers and Peptide Nanotubes. *European Journal of Organic Chemistry*, **2013**, 2013, 3477-3493	3.2	44
63	Design, Synthesis, and Structural Analysis of Turn Modifiedcyclo-( )2Peptide Derivatives toward Crystalline Hexagon-Shaped Cationic Nanochannel Assemblies. *Crystal Growth and Design*, **2013**, 13, 4355-4367	3.5	6
62	Transmembrane ion transport by self-assembling peptide nanotubes. *Chemical Science*, **2012**, 3, 3280	9.4	71
61	Self-assembling properties of all cyclic peptides containing sugar amino acid residues. *Organic and Biomolecular Chemistry*, **2012**, 10, 8762-6	3.9	21
60	Synthesis of Supramolecular Nanotubes **2012**,		4
59	Three-Dimensional Water Channel Embedded in an Cyclic Octapeptide-Derived Organic Porous Material. *Crystal Growth and Design*, **2011**, 11, 3351-3357	3.5	4

58	Toward the rational design of molecular rotors ion sensors based on ⌗cyclic peptide dimers. *Amino Acids*, **2011**, 41, 621-8	3.5	17
57	Highly efficient and directional homo- and heterodimeric energy transfer materials based on fluorescently derivatized ⌗cyclic octapeptides. *Chemistry - an Asian Journal*, **2011**, 6, 110-21	4.5	15
56	Regioisomeric control induced by DABCO coordination to rotatable self-assembled bis- and tetraporphyrin ⌗cyclic octapeptide dimers. *Chemistry - A European Journal*, **2011**, 17, 1220-9	4.8	24
55	Interaction and dimerization energies in methyl-blocked alpha,gamma-peptide nanotube segments. *Journal of Physical Chemistry B*, **2010**, 114, 4973-83	3.4	31
54	Towards functional bionanomaterials based on self-assembling cyclic peptide nanotubes. *Chemical Society Reviews*, **2010**, 39, 1448-56	58.5	219
53	Synthesis of 2-ene-1,4-diols by a new cascade-opening of 1,3-diepoxides: towards an efficient synthesis of dihydroxytaxoid derivatives. *Chemistry - A European Journal*, **2009**, 15, 4785-7	4.8	14
52	Theoretical characterization of the dynamical behavior and transport properties of alpha,gamma-peptide nanotubes in solution. *Journal of the American Chemical Society*, **2009**, 131, 15678-86	16.4	40
51	Alpha,gamma-peptide nanotube templating of one-dimensional parallel fullerene arrangements. *Journal of the American Chemical Society*, **2009**, 131, 11335-7	16.4	79
50	Alpha,gamma-cyclic peptide ensembles with a hydroxylated cavity. *Organic and Biomolecular Chemistry*, **2009**, 7, 4358-61	3.9	42
49	Toward an efficient synthesis of taxane analogs by dienyne ring-closing metathesis. *Organic Letters*, **2008**, 10, 3789-92	6.2	26
48	New alpha,gamma-cyclic peptides-nanotube molecular caps using alpha,alpha-dialkylated alpha-amino acids. *Journal of Peptide Science*, **2008**, 14, 241-9	2.1	15
47	Palladium-catalysed [3+2] cycloaddition of alk-5-ynylidenecyclopropanes to alkynes: a mechanistic DFT study. *Chemistry - A European Journal*, **2008**, 14, 272-81	4.8	43
46	Folding control in cyclic peptides through N-methylation pattern selection: formation of antiparallel beta-sheet dimers, double reverse turns and supramolecular helices by 3alpha,gamma cyclic peptides. *Chemistry - A European Journal*, **2008**, 14, 2100-11	4.8	49
45	Feasibility of associative mechanism in enyne metathesis catalyzed by grubbs complexes. *Dalton Transactions*, **2007**, 2925-34	4.3	13
44	Controlling multiple fluorescent signal output in cyclic peptide-based supramolecular systems. *Journal of the American Chemical Society*, **2007**, 129, 1653-7	16.4	59
43	Large-diameter self-assembled dimers of alpha,gamma-cyclic peptides, with the nanotubular solid-state structure of cyclo-[(l-Leu-D-(Me)N-gamma-Acp)(4)-].4CHCl(2)COOH. *Chemical Communications*, **2007**, 3267-9	5.8	66
42	Dienyne ring-closing metathesis approach for the construction of taxosteroids. *Chemistry - A European Journal*, **2007**, 13, 5135-50	4.8	23
41	Electron transfer in Me-blocked heterodimeric alpha,gamma-peptide nanotubular donor-acceptor hybrids. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 5291-4	11.5	53

40	Dienyne RCM/Diels□Alder approach for the construction of novel steroid-like polycyclic systems. *Tetrahedron Letters*, **2006**, 47, 6587-6589	2	5
39	Synthesis of omega-(hetero)arylalkynylated alpha-amino acid by Sonogashira-type reactions in aqueous media. *Journal of Organic Chemistry*, **2006**, 71, 7870-3	4.2	27
38	Self-assembling Cyclic a,g-Tetrapeptides. *Heterocycles*, **2006**, 67, 575	0.8	6
37	The smallest alpha,gamma-peptide nanotubulet segments: cyclic alpha,gamma-tetrapeptide dimers. *Organic Letters*, **2005**, 7, 4681-4	6.2	37
36	Methyl-blocked dimeric alpha,gamma-peptide nanotube segments: formation of a peptide heterodimer through backbone-backbone interactions. *Angewandte Chemie - International Edition*, **2005**, 44, 5710-3	16.4	68
35	Methyl-Blocked Dimeric □Peptide Nanotube Segments: Formation of a Peptide Heterodimer through Backbone□Backbone Interactions. *Angewandte Chemie*, **2005**, 117, 5856-5859	3.6	18
34	Self-assembled peptide tubelets with 7 A pores. *Chemistry - A European Journal*, **2005**, 11, 6543-51	4.8	69
33	RCM for the construction of novel steroid-like polycyclic systems. 1. Studies on the synthesis of a PreD3-D3 transition state analogue. *Journal of Organic Chemistry*, **2005**, 70, 8281-90	4.2	29
32	Systemic antibacterial activity of novel synthetic cyclic peptides. *Antimicrobial Agents and Chemotherapy*, **2005**, 49, 3302-10	5.9	131
31	Tandem RCM of dienynes for the construction of taxol-type carbocyclic systems. *Organic Letters*, **2004**, 6, 193-6	6.2	43
30	New cyclic peptide assemblies with hydrophobic cavities: the structural and thermodynamic basis of a new class of peptide nanotubes. *Journal of the American Chemical Society*, **2003**, 125, 2844-5	16.4	180
29	Toward an analogue of the transition state of preD3-D3 isomerization: stereoselective synthesis of linearly fused 6-8-6 carbocyclic systems. *Organic Letters*, **2002**, 4, 1651-4	6.2	20
28	Organische Nanor□ren durch Selbstorganisation. *Angewandte Chemie*, **2001**, 113, 1016-1041	3.6	206
27	Self-Assembling Organic Nanotubes. *Angewandte Chemie - International Edition*, **2001**, 40, 988-1011	16.4	944
26	Antibacterial agents based on the cyclic D,L-alpha-peptide architecture. *Nature*, **2001**, 412, 452-5	50.4	827
25	Synthesis of N-(3-arylpropyl)amino acid derivatives by Sonogashira types of reaction in aqueous media. *Organic Letters*, **2001**, 3, 2823-6	6.2	49
24	Access to [6.4.0]carbocyclic systems by tandem metathesis of dienynes. A step toward the synthesis of a PreD3-D3 transition state analogue. *Organic Letters*, **2001**, 3, 1483-6	6.2	44
23	Self-Assembling Organic Nanotubes. *Angewandte Chemie - International Edition*, **2001**, 40, 988-1011	16.4	67

22	Synthesis of vitamin D analogues with a 2-hydroxy-3-deoxy ring A. *Tetrahedron Letters*, **2000**, 41, 5861-5864	2	9
21	New Synthetic Strategies to Vitamin D Analogues Modified at the Side Chain and D Ring. Synthesis of 1alpha,25-Dihydroxy-16-ene-vitamin D(3) and C-20 Analogues(1). *Journal of Organic Chemistry*, **1999**, 64, 3196-3206	4.2	17
20	Self-Assembling Peptide Nanotubes **1999**, 61-66		1
19	Design and synthesis of 1,25-dihydroxyvitamin D3 analogues with fixed torsion angle C(16-17-20-22). *Tetrahedron Letters*, **1998**, 39, 4725-4728	2	15
18	Self-Assembling Peptide Nanotubes. *Journal of the American Chemical Society*, **1996**, 118, 43-50	16.4	536
17	A self-replicating peptide. *Nature*, **1996**, 382, 525-8	50.4	507
16	Strukturelle und thermodynamische Voraussetzungen f□ die Bildung selbstorganisierter r□renf□miger Peptid-Nanostrukturen. *Angewandte Chemie*, **1995**, 107, 76-78	3.6	57
15	Zur Architektur von Peptiden: Bestimmung der relativen Stabilit□ von parallelen und antiparallelen □Faltbl□ttern. *Angewandte Chemie*, **1995**, 107, 79-81	3.6	22
14	The Structural and Thermodynamic Basis for the Formation of Self-Assembled Peptide Nanotubes. *Angewandte Chemie International Edition in English*, **1995**, 34, 93-95		216
13	□Sheet Peptide Architecture: Measuring the Relative Stability of Parallel vs. Antiparallel □Sheets. *Angewandte Chemie International Edition in English*, **1995**, 34, 95-98		98
12	Artificial transmembrane ion channels from self-assembling peptide nanotubes. *Nature*, **1994**, 369, 301-4	50.4	810
11	Channel-Mediated Transport of Glucose across Lipid Bilayers. *Journal of the American Chemical Society*, **1994**, 116, 10785-10786	16.4	232
10	Nanoscale Tubular Ensembles with Specified Internal Diameters. Design of a Self-Assembled Nanotube with a 13-.ANG. Pore. *Journal of the American Chemical Society*, **1994**, 116, 6011-6012	16.4	205
9	Studies on the opening of dioxanone and acetal templates and application to the synthesis of 1.alpha.,25-dihydroxyvitamin D2. *Journal of Organic Chemistry*, **1993**, 58, 124-131	4.2	19
8	Self-assembling organic nanotubes based on a cyclic peptide architecture. *Nature*, **1993**, 366, 324-7	50.4	1469
7	Synthesis of hydrindan derivatives related to vitamin D. *Journal of Organic Chemistry*, **1992**, 57, 3173-3178	4.2	60
6	Regioselective joining of prenyl units. A simple strategy for geometry control in Pd catalyzed allylic alkylations. *Tetrahedron Letters*, **1991**, 32, 2193-2196	2	16
5	[2,3]-Wittig Sigmatropic Rearrangement of Steroidal 16□Propargyl Ethers for the Synthesis of 25-Hydroxyvitamin D Side Chain Analogues. *Synthetic Communications*, **1991**, 21, 2033-2038	1.7	3

4	A carbonyl 1,1-zwitterion synthon for ester and macrolide synthesis. *Journal of the American Chemical Society*, **1991**, 113, 1044-1046	16.4	21
3	An Efficient Approach to the Unnatural Chirality of Steroid Side Chains at C-20. *Synthetic Communications*, **1987**, 17, 251-256	1.7	8
2	Stereoselective synthesis of 25-hydroxyvitamin D2 side chain via the acetal template route. *Tetrahedron Letters*, **1987**, 28, 4589-4590	2	8
1	(2,3)-Wittig sigmatropic rearrangements in steroid synthesis. New stereocontrolled approach to steroidal side chains at C-20. *Tetrahedron Letters*, **1985**, 26, 4959-4960	2	19