

Diego NÃ°Ã±ez-Villanueva

List of Publications by Year in descending order

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17
papers

326
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933447

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17
docs citations

17
times ranked

290
citing authors

#	ARTICLE	IF	CITATIONS
1	Sequence-Selective Formation of Synthetic H-Bonded Duplexes. <i>Journal of the American Chemical Society</i> , 2017, 139, 12655-12663.	13.7	37
2	H-Bond Self-Assembly: Folding versus Duplex Formation. <i>Journal of the American Chemical Society</i> , 2017, 139, 6654-6662.	13.7	36
3	Homochiral oligomers with highly flexible backbones form stable H-bonded duplexes. <i>Chemical Science</i> , 2017, 8, 206-213.	7.4	35
4	Quaternary β -2-Oxoazepane β -Amino Acids: Synthesis from Ornithine-Derived β -Lactams and Incorporation into Model Dipeptides. <i>Journal of Organic Chemistry</i> , 2011, 76, 6592-6603.	3.2	33
5	Sequence information transfer using covalent template-directed synthesis. <i>Chemical Science</i> , 2019, 10, 5258-5266.	7.4	32
6	Replication of Sequence Information in Synthetic Oligomers. <i>Accounts of Chemical Research</i> , 2021, 54, 1298-1306.	15.6	26
7	Ultrasound-induced gelation of a giant macrocycle. <i>Chemical Communications</i> , 2018, 54, 10874-10877.	4.1	21
8	Capping Strategies for Covalent Template-Directed Synthesis of Linear Oligomers Using CuAAC. <i>Journal of the American Chemical Society</i> , 2019, 141, 10862-10875.	13.7	19
9	Two-component assembly of recognition-encoded oligomers that form stable H-bonded duplexes. <i>Chemical Science</i> , 2020, 11, 561-566.	7.4	14
10	Azepane Quaternary Amino Acids As Effective Inducers of 3_{10} Helix Conformations. <i>Journal of Organic Chemistry</i> , 2012, 77, 9833-9839.	3.2	13
11	Molecular replication using covalent base-pairs with traceless linkers. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 9660-9665.	2.8	13
12	Backbone conformation affects duplex initiation and duplex propagation in hybridisation of synthetic H-bonding oligomers. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 4183-4190.	2.8	11
13	Cap control: cyclic versus linear oligomerisation in covalent template-directed synthesis. <i>RSC Advances</i> , 2019, 9, 29566-29569.	3.6	10
14	Controlled mutation in the replication of synthetic oligomers. <i>Chemical Science</i> , 2021, 12, 4063-4068.	7.4	9
15	Folding and duplex formation in mixed sequence recognition-encoded <i>m</i> -phenylene ethynylene polymers. <i>Chemical Science</i> , 2021, 12, 10218-10226.	7.4	8
16	Divergent, stereoselective access to heterocyclic β -quaternary- and $\beta^{2,3,3}$ -amino acid derivatives from a N-Pmp-protected Orn-derived β -lactam. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 5195-5201.	2.8	6
17	Experimental and Theoretical Studies on the Rearrangement of 2-Oxoazepane β -Amino Acids into 2-Oxopiperidine $\beta^{2,3,3}$ -Amino Acids: An Example of Intramolecular Catalysis. <i>Chemistry - A European Journal</i> , 2015, 21, 2489-2500.	3.3	3