

Ayala Lampel

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

1,022
citations

759233

12
h-index

713466

21
g-index

24
all docs

24
docs citations

24
times ranked

1696
citing authors

#	ARTICLE	IF	CITATIONS
1	Polymeric peptide pigments with sequence-encoded properties. <i>Science</i> , 2017, 356, 1064-1068.	12.6	244
2	Tunable Supramolecular Hydrogels for Selection of Lineage-Guiding Metabolites in Stem Cell Cultures. <i>CheM</i> , 2016, 1, 298-319.	11.7	170
3	Switchable Hydrolase Based on Reversible Formation of Supramolecular Catalytic Site Using a Self-Assembling Peptide. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 14511-14515.	13.8	131
4	Guiding principles for peptide nanotechnology through directed discovery. <i>Chemical Society Reviews</i> , 2018, 47, 3737-3758.	38.1	116
5	Formation of functional super-helical assemblies by constrained single heptad repeat. <i>Nature Communications</i> , 2015, 6, 8615.	12.8	101
6	Biology-Inspired Supramolecular Peptide Systems. <i>CheM</i> , 2020, 6, 1222-1236.	11.7	44
7	Proton-Conductive Melanin-Like Fibers through Enzymatic Oxidation of a Self-Assembling Peptide. <i>Advanced Materials</i> , 2020, 32, e2003511.	21.0	38
8	Structural Basis for Inhibiting β -Amyloid Oligomerization by a Non-coded β -Breaker-Substituted Endomorphin Analogue. <i>ACS Chemical Biology</i> , 2011, 6, 1265-1276.	3.4	32
9	Melanin-Inspired Chromophoric Microparticles Composed of Polymeric Peptide Pigments. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 7564-7569.	13.8	22
10	Monitoring and Targeting the Initial Dimerization Stage of Amyloid Self-Assembly. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 2062-2067.	13.8	21
11	Order/Disorder in Protein and Peptide-Based Biomaterials. <i>Israel Journal of Chemistry</i> , 2020, 60, 1129-1140.	2.3	20
12	The Effect of Chemical Chaperones on the Assembly and Stability of HIV-1 Capsid Protein. <i>PLoS ONE</i> , 2013, 8, e60867.	2.5	15
13	Expanding the Conformational Landscape of Minimalistic Tripeptides by Their <i>O</i> -Glycosylation. <i>Journal of the American Chemical Society</i> , 2021, 143, 19703-19710.	13.7	14
14	Targeting the Early Step of Building Block Organization in Viral Capsid Assembly. <i>ACS Chemical Biology</i> , 2015, 10, 1785-1790.	3.4	12
15	Tunable Supramolecular Hydrogels for Selection of Lineage-Guiding Metabolites in Stem Cell Cultures. <i>CheM</i> , 2016, 1, 512.	11.7	11
16	A triclinic crystal structure of the carboxy-terminal domain of HIV-1 capsid protein with four molecules in the asymmetric unit reveals a novel packing interface. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2013, 69, 602-606.	0.7	8
17	β -Aminoisobutyric acid incorporation induces cell permeability and antiviral activity of HIV-1 major homology region fragments. <i>Chemical Communications</i> , 2015, 51, 12349-12352.	4.1	7
18	Hierarchical multi-step organization during viral capsid assembly. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 136, 674-677.	5.0	5

#	ARTICLE	IF	CITATIONS
19	Spatiotemporal Control of Melanin Synthesis in Liquid Droplets. ACS Applied Materials & Interfaces, 2022, 14, 20520-20527.	8.0	4
20	Elucidation of the structure of supramolecular polymorphs in peptide nanofibres using Raman spectroscopy. Journal of Raman Spectroscopy, 2021, 52, 1108-1114.	2.5	3
21	Melanin-Inspired Chromophoric Microparticles Composed of Polymeric Peptide Pigments. Angewandte Chemie, 2021, 133, 7642-7647.	2.0	2
22	Leaving the Scientific Comfort Zone to Address Complex Challenges. CheM, 2016, 1, 181-183.	11.7	1