Ryan K Spencer

List of Publications by Year
in descending order

33	1,014	489802 18	488211 31
papers	citations	h-index	g-index

34	34	34	1482
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Lipid-anchor display on peptoid nanosheets via co-assembly for multivalent pathogen recognition. Soft Matter, 2020, 16, 907-913.	1.2	11
2	X-ray Crystallography Reveals Parallel and Antiparallel Î²-Sheet Dimers of a Î²-Hairpin Derived from AÎ²_{16â€“36} that Assemble to Form Different Tetramers. ACS Chemical Neuroscience, 2020, 11, 2340-2347.	1.7	18
3	Skeletides: A Modular, Simplified Physical Model of Protein Secondary Structure. 3D Printing and Additive Manufacturing, 2020, 7, 60-69.	1.4	0
4	Imaging of Polypeptoid Nanosheets with Atomic Scale Precision (In Honor of Ken Downing). Microscopy and Microanalysis, 2019, 25, 1356-1357.	0.2	1
5	Stereochemistry of polypeptoid chain configurations. Biopolymers, 2019, 110, e23266.	1.2	26
6	Atomic-level engineering and imaging of polypeptoid crystal lattices. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 22491-22499.	3.3	48
7	Cooperative Intramolecular Hydrogen Bonding Strongly Enforces cis-Peptoid Folding. Journal of the American Chemical Society, 2019, 141, 19436-19447.	6.6	46
8	Resolving the Morphology of Peptoid Vesicles at the 1 nm Length Scale Using Cryogenic Electron Microscopy. Journal of Physical Chemistry B, 2019, 123, 1195-1205.	1.2	15
9	Evidence for cis Amide Bonds in Peptoid Nanosheets. Journal of Physical Chemistry Letters, 2018, 9, 2574-2578.	2.1	27
10	Universal Relationship between Molecular Structure and Crystal Structure in Peptoid Polymers and Prevalence of the cis Backbone Conformation. Journal of the American Chemical Society, 2018, 140, 827-833.	6.6	52
11	Electronic Conductivity in Biomimetic Î±-Helical Peptide Nanofibers and Gels. ACS Nano, 2018, 12, 2652-2661.	7.3	69
12	A bio-inspired approach to ligand design: folding single-chain peptoids to chelate a multimetallic cluster. Chemical Science, 2018, 9, 8806-8813.	3.7	18
13	Conformations of peptoids in nanosheets result from the interplay of backbone energetics and intermolecular interactions. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 5647-5651.	3.3	43
14	Oxygen K Edge Scattering from Bulk Comb Diblock Copolymer Reveals Extended, Ordered Backbones above Lamellar Orderâ€“Disorder Transition. Journal of Physical Chemistry B, 2017, 121, 298-305.	1.2	13
15	X-ray Crystallographic Structure of a Compact Dodecamer from a Peptide Derived from AÎ²_{16â€“36}. Organic Letters, 2017, 19, 3462-3465.	2.4	23
16	Stabilization, Assembly, and Toxicity of Trimers Derived from AÎ². Journal of the American Chemical Society, 2017, 139, 966-975.	6.6	68
17	A Hexamer of a Peptide Derived from AÎ²_{16â€“36}. Biochemistry, 2017, 56, 6061-6071.	1.2	23
18	The Phe-Ile Zipper: A Specific Interaction Motif Drives Antiparallel Coiled-Coil Hexamer Formation. Biochemistry, 2017, 56, 5300-5308.	1.2	13

#	Article	IF	Citations
19	Sequence-Dependent Self-Assembly and Structural Diversity of Islet Amyloid Polypeptide-Derived Î²-Sheet Fibrils. ACS Nano, 2017, 11, 8579-8589.	7.3	48
20	X-ray Crystallographic Structure and Solution Behavior of an Antiparallel Coiled-Coil Hexamer Formed by de Novo Peptides. Biochemistry, 2016, 55, 3214-3223.	1.2	17
21	X-ray Crystallographic Structure of Oligomers Formed by a Toxic Î²-Hairpin Derived from Î±-Synuclein: Trimers and Higher-Order Oligomers. Journal of the American Chemical Society, 2016, 138, 4458-4467.	6.6	62
22	X-ray Crystallographic Structures of a Trimer, Dodecamer, and Annular Pore Formed by an AÎ²_{17â€“36} Î²-Hairpin. Journal of the American Chemical Society, 2016, 138, 4634-4642.	6.6	69
23	A Newcomerâ€²s Guide to Peptide Crystallography. Israel Journal of Chemistry, 2015, 55, 698-710.	1.0	20
24	X-ray Crystallographic Structures of Oligomers of Peptides Derived from Î²₂-Microglobulin. Journal of the American Chemical Society, 2015, 137, 6304-6311.	6.6	36
25	X-ray Crystallographic Structures of Trimers and Higher-Order Oligomeric Assemblies of a Peptide Derived from AÎ²_{17â€“36}. Journal of the American Chemical Society, 2014, 136, 5595-5598.	6.6	85
26	A Fibril-Like Assembly of Oligomers of a Peptide Derived from Î²-Amyloid. Journal of the American Chemical Society, 2014, 136, 12682-12690.	6.6	31
27	Recipe for Î²â€Sheets: Foldamers Containing Amyloidogenic Peptide Sequences. European Journal of Organic Chemistry, 2013, 2013, 3523-3528.	1.2	35
28	Heterodivalent Linked Macrocyclic Î²-Sheets with Enhanced Activity against AÎ² Aggregation: Two Sites Are Better Than One. Journal of the American Chemical Society, 2012, 134, 14179-14184.	6.6	24
29	Inter- and intramolecular isocarbon couplings of cobalt-complexed propargyl radicals: challenging the consensus. Tetrahedron, 2010, 66, 5321-5328.	1.0	18
30	Carbon tether rigidity as a stereochemical tool directing intramolecular radical cyclizations. Tetrahedron Letters, 2010, 51, 2287-2290.	0.7	15
31	1,3-Steric Induction in Intermolecular Radical Reactions Mediated by a Co₂(CO)₆â€“Metal Core. Organometallics, 2010, 29, 3556-3562.	1.1	13
32	Cobalt-Complexed Propargyl Cations: Generation under Neutral Conditions and Spontaneous, High-Temperature Conversion to Propargyl Radicals. Organometallics, 2009, 28, 5541-5549.	1.1	13
33	Stereoselective Synthesis of meso-1,5-Cyclodecadiynes. Journal of Organic Chemistry, 2009, 74, 8541-8546.	1.7	14