

Vasantha Basavalingappa

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

1,389
citations

933264

10
h-index

1125617

13
g-index

13
all docs

13
docs citations

13
times ranked

1198
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural characteristics of .alpha.-helical peptide molecules containing Aib residues. <i>Biochemistry</i> , 1990, 29, 6747-6756.	1.2	962
2	Aib Residues in Peptaibiotics and Synthetic Sequences: Analysis of Nonhelical Conformations. <i>Chemistry and Biodiversity</i> , 2008, 5, 1238-1262.	1.0	89
3	The 310helical conformation of a pentapeptide containing Î±-aminoisobutyric acid (Aib): X-ray crystal structure of Tosâ€“(Aib) ₅ â€“OMe. <i>Journal of the Chemical Society Chemical Communications</i> , 1978, , 996-997.	2.0	84
4	Diphenylalanine-Derivative Peptide Assemblies with Increased Aromaticity Exhibit Metal-like Rigidity and High Piezoelectricity. <i>ACS Nano</i> , 2020, 14, 7025-7037.	7.3	59
5	Expanding the Functional Scope of the Fmocâ€“Diphenylalanine Hydrogelator by Introducing a Rigidifying and Chemically Active Urea Backbone Modification. <i>Advanced Science</i> , 2019, 6, 1900218.	5.6	57
6	Fibril formation and therapeutic targeting of amyloid-like structures in a yeast model of adenine accumulation. <i>Nature Communications</i> , 2019, 10, 62.	5.8	48
7	Electrical Conductivity, Selective Adhesion, and Biocompatibility in Bacteriaâ€“Inspired Peptideâ€“Metal Selfâ€“Supporting Nanocomposites. <i>Advanced Materials</i> , 2019, 31, e1807285.	11.1	25
8	Mechanically rigid supramolecular assemblies formed from an Fmoc-guanine conjugated peptide nucleic acid. <i>Nature Communications</i> , 2019, 10, 5256.	5.8	24
9	Peptide Î±â€“Turn: Literature Survey and Recent Progress. <i>Chemistry - A European Journal</i> , 2015, 21, 13866-13877.	1.7	15
10	The fullyâ€“extended conformation in peptides and proteins. <i>Peptide Science</i> , 2018, 110, e23100.	1.0	12
11	Intramolecular backbone-â€“backbone hydrogen bonds in polypeptide conformations. The other way around: Î±â€“turn. <i>Biopolymers</i> , 2017, 108, e22911.	1.2	7
12	Functional Coiled-Coil-like Assembly by Knob-into-Hole Packing of Single Heptad Repeat. <i>ACS Nano</i> , 2019, 13, 12630-12637.	7.3	5
13	Selfâ€“Assembled Quadruplexâ€“Inspired Peptide Nucleic Acid Tetramer for Artificial Photosynthesis. <i>ChemPhotoChem</i> , 2020, 4, 5154-5158.	1.5	2