

Anupam Bandyopadhyay

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,056
citations

430874

18
h-index

501196

28
g-index

34
all docs

34
docs citations

34
times ranked

1449
citing authors

#	ARTICLE	IF	CITATIONS
1	Fast and selective labeling of N-terminal cysteines at neutral pH via thiazolidino boronate formation. <i>Chemical Science</i> , 2016, 7, 4589-4593.	7.4	118
2	Iminoboronate-Based Peptide Cyclization That Responds to pH, Oxidation, and Small Molecule Modulators. <i>Journal of the American Chemical Society</i> , 2016, 138, 2098-2101.	13.7	106
3	Targeting biomolecules with reversible covalent chemistry. <i>Current Opinion in Chemical Biology</i> , 2016, 34, 110-116.	6.1	100
4	Targeting bacteria via iminoboronate chemistry of amine-presenting lipids. <i>Nature Communications</i> , 2015, 6, 6561.	12.8	77
5	Fast Diazaborine Formation of Semicarbazide Enables Facile Labeling of Bacterial Pathogens. <i>Journal of the American Chemical Society</i> , 2017, 139, 871-878.	13.7	65
6	Iminoboronate Formation Leads to Fast and Reversible Conjugation Chemistry of α -Nucleophiles at Neutral pH. <i>Chemistry - A European Journal</i> , 2015, 21, 14748-14752.	3.3	62
7	In-solution enrichment identifies peptide inhibitors of protein-protein interactions. <i>Nature Chemical Biology</i> , 2019, 15, 410-418.	8.0	58
8	Boronic acid based dynamic click chemistry: recent advances and emergent applications. <i>Chemical Science</i> , 2021, 12, 1585-1599.	7.4	50
9	Hybrid Peptides: Direct Transformation of α -Unsaturated β -Hybrid Peptides to α -Hybrid Peptide 12-Helices. <i>Organic Letters</i> , 2012, 14, 2770-2773.	4.6	40
10	Protein secondary structure mimetics: crystal conformations of α - β -hybrid peptide 12-helices with proteinogenic side chains and their analogy with α - and β -peptide helices. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 509-514.	2.8	38
11	α - β -Hybrid peptide helices: synthesis, crystal conformations and analogy with the α -helix. <i>Chemical Communications</i> , 2012, 48, 7170.	4.1	37
12	Xenoprotein engineering via synthetic libraries. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E5298-E5306.	7.1	36
13	Synthesis of α , β -unsaturated β -amino esters with unprecedented high (E)-stereoselectivity and their conformational analysis in peptides. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 6566.	2.8	34
14	Tin(II) chloride assisted synthesis of N-protected β -amino β -keto esters through semipinacol rearrangement. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 4855.	2.8	29
15	A periodic development of BPA and BSH based derivatives in boron neutron capture therapy (BNCT). <i>Chemical Communications</i> , 2021, 57, 827-839.	4.1	29
16	Fluorogenic diazaborine formation of semicarbazide with designed coumarin derivatives. <i>Chemical Communications</i> , 2017, 53, 12532-12535.	4.1	28
17	The modern role of boron as a "magic element"™ in biomedical science: chemistry perspective. <i>Chemical Communications</i> , 2021, 57, 13629-13640.	4.1	25
18	Exploring β -Hydroxy β -Amino Acids (Statins) in the Design of Hybrid Peptide Foldamers. <i>Organic Letters</i> , 2014, 16, 294-297.	4.6	23

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19	Synthesis and Structural Investigations of Functionalizable Hybrid β -Hairpin. <i>Organic Letters</i> , 2011, 13, 4482-4485.	4.6	17
20	The Association of the Vanin-1 N131S Variant with Blood Pressure Is Mediated by Endoplasmic Reticulum-Associated Degradation and Loss of Function. <i>PLoS Genetics</i> , 2014, 10, e1004641.	3.5	16
21	Structural features and molecular aggregations of designed triple-stranded β -sheets in single crystals. <i>Chemical Communications</i> , 2016, 52, 4938-4941.	4.1	14
22	Thiazole-Carbonyl Interactions: A Case Study Using Phenylalanine Thiazole Cyclic Tripeptides. <i>Crystal Growth and Design</i> , 2012, 12, 5643-5648.	3.0	13
23	A facile transformation of amino acids to functionalized coumarins. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 8089.	2.8	11
24	A facile synthesis and crystallographic analysis of N-protected β -amino alcohols and short peptaibols. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 4182.	2.8	7
25	Radiolabeled Cationic Peptides for Targeted Imaging of Infection. <i>Contrast Media and Molecular Imaging</i> , 2019, 2019, 1-11.	0.8	7
26	An explicitly designed paratope of amyloid- β prevents neuronal apoptosis <i>in vitro</i> and hippocampal damage in rat brain. <i>Chemical Science</i> , 2021, 12, 2853-2862.	7.4	7
27	Site-Selective, Chemical Modification of Protein at Aromatic Side Chain and Their Emergent Applications. <i>Protein and Peptide Letters</i> , 2021, 28, 788-808.	0.9	4
28	Helices with additional H-bonds: crystallographic conformations of β - β -hybrid peptides helices composed of β -hydroxy β -amino acids (statines). <i>Biopolymers</i> , 2017, 108, e22978.	2.4	3