

Tom N Grossmann

List of Publications by Year in descending order

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74
papers

4,913
citations

126708

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docs citations

93
times ranked

5963
citing authors

#	ARTICLE	IF	CITATIONS
1	Stapling of Peptides Potentiates the Antibiotic Treatment of <i>Acinetobacter baumannii</i> In Vivo. <i>Antibiotics</i> , 2022, 11, 273.	1.5	6
2	Targeting the interaction of β -catenin and TCF/LEF transcription factors to inhibit oncogenic Wnt signaling. <i>Bioorganic and Medicinal Chemistry</i> , 2022, 70, 116920.	1.4	11
3	Abstract: Bicyclic β -Sheet Mimetics that Target the Transcriptional Coactivator β -Catenin and Inhibit Wnt Signaling (<i>Angew. Chem.</i> 25/2021). <i>Angewandte Chemie</i> , 2021, 133, 14316-14316.	1.6	0
4	Bicyclic β -Sheet Mimetics that Target the Transcriptional Coactivator β -Catenin and Inhibit Wnt Signaling. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 13937-13944.	7.2	32
5	Bicyclic β -Sheet Mimetics that Target the Transcriptional Coactivator β -Catenin and Inhibit Wnt Signaling. <i>Angewandte Chemie</i> , 2021, 133, 14056-14063.	1.6	4
6	Protein Macrocyclization for Tertiary Structure Stabilization. <i>ChemBioChem</i> , 2021, 22, 2672-2679.	1.3	18
7	Synergistic DNA- and Protein-Based Recognition Promote an RNA-Templated Bio-orthogonal Reaction. <i>Chemistry - A European Journal</i> , 2021, 27, 10477-10483.	1.7	6
8	First-in-Class Cyclic Temporin L Analogue: Design, Synthesis, and Antimicrobial Assessment. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 11675-11694.	2.9	24
9	Constrained peptides mimic a viral suppressor of RNA silencing. <i>Nucleic Acids Research</i> , 2021, 49, 12622-12633.	6.5	10
10	In Situ Cyclization of Proteins (INCYPRO): Cross-Link Derivatization Modulates Protein Stability. <i>Journal of Organic Chemistry</i> , 2020, 85, 1476-1483.	1.7	8
11	A protein tertiary structure mimetic modulator of the Hippo signalling pathway. <i>Nature Communications</i> , 2020, 11, 5425.	5.8	38
12	Proteomimetics as protein-inspired scaffolds with defined tertiary folding patterns. <i>Nature Chemistry</i> , 2020, 12, 331-337.	6.6	90
13	Macrocyclic Modalities Combining Peptide Epitopes and Natural Product Fragments. <i>Journal of the American Chemical Society</i> , 2020, 142, 4904-4915.	6.6	32
14	Adapting free energy perturbation simulations for large macrocyclic ligands: how to dissect contributions from direct binding and free ligand flexibility. <i>Chemical Science</i> , 2020, 11, 2269-2276.	3.7	21
15	Acetylene containing cyclo(L-Tyr-L-Tyr)-analogs as mechanism-based inhibitors of CYP121A1 from <i>Mycobacterium tuberculosis</i> . <i>Biochemical Pharmacology</i> , 2020, 177, 113938.	2.0	3
16	Constrained Peptides with Fine-Tuned Flexibility Inhibit NF- κ B Transcription Factor Assembly. <i>Angewandte Chemie</i> , 2019, 131, 17512-17519.	1.6	3
17	Lipidated Stapled Peptides Targeting the Acyl Binding Protein UNC119. <i>ChemBioChem</i> , 2019, 20, 2987-2990.	1.3	9
18	Constrained Peptides with Fine-Tuned Flexibility Inhibit NF- κ B Transcription Factor Assembly. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 17351-17358.	7.2	18

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19	Frontispiece: Oligonucleotides with Cationic Backbone and Their Hybridization with DNA: Interplay of Base Pairing and Electrostatic Attraction. <i>Chemistry - A European Journal</i> , 2018, 24, .	1.7	0
20	Targeting β -catenin dependent Wnt signaling via peptidomimetic inhibitors in murine chondrocytes and OA cartilage. <i>Osteoarthritis and Cartilage</i> , 2018, 26, 818-823.	0.6	33
21	Oligonucleotides with Cationic Backbone and Their Hybridization with DNA: Interplay of Base Pairing and Electrostatic Attraction. <i>Chemistry - A European Journal</i> , 2018, 24, 1544-1553.	1.7	16
22	The Therapeutic Potential of PTEN Modulation: Targeting Strategies from Gene to Protein. <i>Cell Chemical Biology</i> , 2018, 25, 19-29.	2.5	45
23	Frontispiz: Inâ€¦Situ Cyclization of Native Proteins: Structure-Based Design of a Bicyclic Enzyme. <i>Angewandte Chemie</i> , 2018, 130, .	1.6	0
24	Frontispiece: Inâ€¦Situ Cyclization of Native Proteins: Structure-Based Design of a Bicyclic Enzyme. <i>Angewandte Chemie - International Edition</i> , 2018, 57, .	7.2	0
25	Coiledâ€Coil Peptide Beacon: A Tunable Conformational Switch for Protein Detection. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 17079-17083.	7.2	25
26	Coiledâ€Coil Peptide Beacon: A Tunable Conformational Switch for Protein Detection. <i>Angewandte Chemie</i> , 2018, 130, 17325-17329.	1.6	3
27	InnenrÃ¼cktitelbild: Coiledâ€Coil Peptide Beacon: A Tunable Conformational Switch for Protein Detection (<i>Angew. Chem.</i> 52/2018). <i>Angewandte Chemie</i> , 2018, 130, 17513-17513.	1.6	0
28	Structural Analysis of the Interaction between the Bacterial Cell Division Proteins FtsQ and FtsB. <i>MBio</i> , 2018, 9, .	1.8	40
29	Proteinâ€RNA interactions: structural characteristics and hotspot amino acids. <i>Rna</i> , 2018, 24, 1457-1465.	1.6	56
30	Inâ€¦Situ Cyclization of Native Proteins: Structureâ€Based Design of a Bicyclic Enzyme. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 11164-11170.	7.2	39
31	Linking cytochrome P450 enzymes from <i>Mycobacterium tuberculosis</i> to their cognate ferredoxin partners. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 9231-9242.	1.7	21
32	Inâ€¦Situ Cyclization of Native Proteins: Structureâ€Based Design of a Bicyclic Enzyme. <i>Angewandte Chemie</i> , 2018, 130, 11334-11340.	1.6	7
33	New Modalities for Challenging Targets in Drug Discovery. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 10294-10323.	7.2	275
34	Neue ModalitÃten fÃ¼r schwierige Zielstrukturen in der Wirkstoffentwicklung. <i>Angewandte Chemie</i> , 2017, 129, 10428-10459.	1.6	39
35	Plant cysteine oxidases are dioxygenases that directly enable arginyl transferase-catalysed arginylation of N-end rule targets. <i>Nature Communications</i> , 2017, 8, 14690.	5.8	171
36	Translocation of an Intracellular Protein via Peptide-Directed Ligation. <i>ACS Chemical Biology</i> , 2017, 12, 504-509.	1.6	20

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37	Structure-Based Design of Non-natural Macrocyclic Peptides That Inhibit Protein-Protein Interactions. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 8982-8988.	2.9	43
38	Cell Permeable Stapled Peptide Inhibitor of Wnt Signaling that Targets β -Catenin Protein-Protein Interactions. <i>Cell Chemical Biology</i> , 2017, 24, 958-968.e5.	2.5	92
39	Increased Conformational Flexibility of a Macrocyclic Receptor Complex Contributes to Reduced Dissociation Rates. <i>Chemistry - A European Journal</i> , 2017, 23, 16157-16161.	1.7	19
40	Innenteilbild: Selective Protein Hyperpolarization in Cell Lysates Using Targeted Dynamic Nuclear Polarization (<i>Angew. Chem.</i> 36/2016). <i>Angewandte Chemie</i> , 2016, 128, 10682-10682.	1.6	0
41	Selective Protein Hyperpolarization in Cell Lysates Using Targeted Dynamic Nuclear Polarization. <i>Angewandte Chemie</i> , 2016, 128, 10904-10908.	1.6	19
42	Selective Protein Hyperpolarization in Cell Lysates Using Targeted Dynamic Nuclear Polarization. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 10746-10750.	7.2	66
43	Orthogonal ring-closing alkyne and olefin metathesis for the synthesis of small GTPase-targeting bicyclic peptides. <i>Nature Communications</i> , 2016, 7, 11300.	5.8	84
44	Constraining an Irregular Peptide Secondary Structure through Ring-Closing Alkyne Metathesis. <i>ChemBioChem</i> , 2016, 17, 1915-1919.	1.3	36
45	Protease-Resistant and Cell-Permeable Double-Stapled Peptides Targeting the Rab8a GTPase. <i>ACS Chemical Biology</i> , 2016, 11, 2375-2382.	1.6	61
46	Structure-Based Design of Inhibitors of Protein-Protein Interactions: Mimicking Peptide Binding Epitopes. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 8896-8927.	7.2	540
47	Redox Modulation of PTEN Phosphatase Activity by Hydrogen Peroxide and Bisperoxidovanadium Complexes. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 13796-13800.	7.2	38
48	Direct Modulation of Small GTPase Activity and Function. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 13516-13537.	7.2	63
49	Hydrocarbon Stapled Peptides as Modulators of Biological Function. <i>ACS Chemical Biology</i> , 2015, 10, 1362-1375.	1.6	244
50	Towards understanding cell penetration by stapled peptides. <i>MedChemComm</i> , 2015, 6, 111-119.	3.5	183
51	Constraining Peptide Conformations with the Help of Ring-Closing Metathesis. <i>Synlett</i> , 2014, 26, 1-5.	1.0	2
52	Protein-Templated Peptide Ligation. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 4337-4340.	7.2	32
53	Constrained Peptides with Target-Adapted Cross-Links as Inhibitors of a Pathogenic Protein-Protein Interaction. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 2489-2493.	7.2	118
54	Direct Targeting of Rab-GTPase-Effector Interactions. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 2498-2503.	7.2	79

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55	Small-molecule modulation of Ras signaling. <i>Nature Chemical Biology</i> , 2014, 10, 613-622.	3.9	191
56	Modulators of Protein-Protein Interactions. <i>Chemical Reviews</i> , 2014, 114, 4695-4748.	23.0	407
57	Rücktitelbild: Makrocyclische Peptide mit dem Zielprotein angepassten Kohlenwasserstoffbrücken: Inhibitoren einer pathogenen Protein-Protein-Wechselwirkung (<i>Angew. Chem.</i> 9/2014). <i>Angewandte Chemie</i> , 2014, 126, 2544-2544.	1.6	0
58	Direct targeting of β^2 -catenin: Inhibition of protein-protein interactions for the inactivation of Wnt signaling. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 4020-4026.	1.4	38
59	Inhibition of oncogenic Wnt signaling through direct targeting of β^2 -catenin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 17942-17947.	3.3	221
60	Reversible Covalent Inhibition of a Protein Target. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 8699-8700.	7.2	65
61	Synthesis of all-hydrocarbon stapled α -helical peptides by ring-closing olefin metathesis. <i>Nature Protocols</i> , 2011, 6, 761-771.	5.5	328
62	DNA-instructed acyl transfer reactions for the synthesis of bioactive peptides. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 4993-4997.	1.0	24
63	DNA-triggered Synthesis and Bioactivity of Proapoptotic Peptides. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 2828-2832.	7.2	57
64	72 Semi-rational design of β^2 -catenin targeting peptides for the inhibition of Wnt-dependent signaling. <i>European Journal of Cancer, Supplement</i> , 2010, 8, 31.	2.2	0
65	Chemical control of biomolecular interaction modules. <i>Pure and Applied Chemistry</i> , 2009, 81, 273-284.	0.9	9
66	Nucleic Acid Templated Reactions: Consequences of Probe Reactivity and Readout Strategy for Amplified Signaling and Sequence Selectivity. <i>Chemistry - A European Journal</i> , 2009, 15, 6723-6730.	1.7	69
67	Photo-thermal Haptotropism in Cyclopentadienylcobalt Complexes of Linear Phenylenes: Intercyclobutadiene Metal Migration. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 9853-9857.	7.2	20
68	New aspects in fragmentation of peptide nucleic acids: comparison of positive and negative ions by electrospray ionization Fourier transform ion cyclotron resonance mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2009, 23, 1132-1138.	0.7	2
69	Achieving Turnover in DNA-templated Reactions. <i>ChemBioChem</i> , 2008, 9, 2185-2192.	1.3	123
70	Target-catalyzed Transfer Reactions for the Amplified Detection of RNA. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 7119-7122.	7.2	66
71	Inducing the replacement of PNA in DNA-PNA duplexes by DNA. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 34-39.	1.4	11
72	Recognizing and Controlling Biomolecules with "Smart" Hybridization-based Switches. <i>Nucleic Acids Symposium Series</i> , 2008, 52, 29-30.	0.3	0

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73	Triplex Molecular Beacons as Modular Probes for DNA Detection. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 5223-5225.	7.2	140
74	DNA-Catalyzed Transfer of a Reporter Group. <i>Journal of the American Chemical Society</i> , 2006, 128, 15596-15597.	6.6	137