Tom N Grossmann

List of Publications by Year
in descending order

74 papers	4,913 citations	126907 33 h-index	95266 68 g-index
93 all docs	93 docs citations	93 times ranked	5963 citing authors

#	Article	IF	Citations
1	Stapling of Peptides Potentiates the Antibiotic Treatment of Acinetobacter baumannii In Vivo. Antibiotics, 2022, 11, 273.	3.7	6
2	Targeting the interaction of Î²-catenin and TCF/LEF transcription factors to inhibit oncogenic Wnt signaling. Bioorganic and Medicinal Chemistry, 2022, 70, 116920.	3.0	11
3	RÃ¼cktitelbild: Bicyclic Î²â€Sheet Mimetics that Target the Transcriptional Coactivator Î²â€Catenin and Inhibit Wnt Signaling (Angew. Chem. 25/2021). Angewandte Chemie, 2021, 133, 14316-14316.	2.0	0
4	Bicyclic Î²â€Sheet Mimetics that Target the Transcriptional Coactivator Î²â€Catenin and Inhibit Wnt Signaling. Angewandte Chemie - International Edition, 2021, 60, 13937-13944.	13.8	32
5	Bicyclic Î²â€Sheet Mimetics that Target the Transcriptional Coactivator Î²â€Catenin and Inhibit Wnt Signaling. Angewandte Chemie, 2021, 133, 14056-14063.	2.0	4
6	Protein Macrocyclization for Tertiary Structure Stabilization. ChemBioChem, 2021, 22, 2672-2679.	2.6	18
7	Synergistic DNAâ€and Proteinâ€Based Recognition Promote an RNAâ€Templated Bioâ€orthogonal Reaction. Chemistry - A European Journal, 2021, 27, 10477-10483.	3.3	6
8	First-in-Class Cyclic Temporin L Analogue: Design, Synthesis, and Antimicrobial Assessment. Journal of Medicinal Chemistry, 2021, 64, 11675-11694.	6.4	24
9	Constrained peptides mimic a viral suppressor of RNA silencing. Nucleic Acids Research, 2021, 49, 12622-12633.	14.5	10
10	In Situ Cyclization of Proteins (INCYPRO): Cross-Link Derivatization Modulates Protein Stability. Journal of Organic Chemistry, 2020, 85, 1476-1483.	3.2	8
11	A protein tertiary structure mimetic modulator of the Hippo signalling pathway. Nature Communications, 2020, 11, 5425.	12.8	38
12	Proteomimetics as protein-inspired scaffolds with defined tertiary folding patterns. Nature Chemistry, 2020, 12, 331-337.	13.6	90
13	Macrocyclic Modalities Combining Peptide Epitopes and Natural Product Fragments. Journal of the American Chemical Society, 2020, 142, 4904-4915.	13.7	32
14	Adapting free energy perturbation simulations for large macrocyclic ligands: how to dissect contributions from direct binding and free ligand flexibility. Chemical Science, 2020, 11, 2269-2276.	7.4	21
15	Acetylene containing cyclo(L-Tyr-L-Tyr)-analogs as mechanism-based inhibitors of CYP121A1 from Mycobacterium tuberculosis. Biochemical Pharmacology, 2020, 177, 113938.	4.4	3
16	Constrained Peptides with Fineâ€Tuned Flexibility Inhibit NFâ€Y Transcription Factor Assembly. Angewandte Chemie, 2019, 131, 17512-17519.	2.0	3
17	Lipidated Stapled Peptides Targeting the Acyl Binding Protein UNC119. ChemBioChem, 2019, 20, 2987-2990.	2.6	9
18	Constrained Peptides with Fineâ€Tuned Flexibility Inhibit NFâ€Y Transcription Factor Assembly. Angewandte Chemie - International Edition, 2019, 58, 17351-17358.	13.8	18

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19	Frontispiece: Oligonucleotides with Cationic Backbone and Their Hybridization with DNA: Interplay of Base Pairing and Electrostatic Attraction. Chemistry - A European Journal, 2018, 24, .	3.3	0
20	Targeting Î²-catenin dependent Wnt signaling via peptidomimetic inhibitors in murine chondrocytes and OA cartilage. Osteoarthritis and Cartilage, 2018, 26, 818-823.	1.3	33
21	Oligonucleotides with Cationic Backbone and Their Hybridization with DNA: Interplay of Base Pairing and Electrostatic Attraction. Chemistry - A European Journal, 2018, 24, 1544-1553.	3.3	16
22	The Therapeutic Potential of PTEN Modulation: Targeting Strategies from Gene to Protein. Cell Chemical Biology, 2018, 25, 19-29.	5.2	45
23	Frontispiz: Inâ€…Situ Cyclization of Native Proteins: Structure-Based Design of a Bicyclic Enzyme. Angewandte Chemie, 2018, 130, .	2.0	0
24	Frontispiece: Inâ€…Situ Cyclization of Native Proteins: Structure-Based Design of a Bicyclic Enzyme. Angewandte Chemie - International Edition, 2018, 57, .	13.8	0
25	Coiledâ€Coil Peptide Beacon: A Tunable Conformational Switch for Protein Detection. Angewandte Chemie - International Edition, 2018, 57, 17079-17083.	13.8	25
26	Coiledâ€Coil Peptide Beacon: A Tunable Conformational Switch for Protein Detection. Angewandte Chemie, 2018, 130, 17325-17329.	2.0	3
27	InnenrÃ¼cktitelbild: Coiledâ€Coil Peptide Beacon: A Tunable Conformational Switch for Protein Detection (Angew. Chem. 52/2018). Angewandte Chemie, 2018, 130, 17513-17513.	2.0	0
28	Structural Analysis of the Interaction between the Bacterial Cell Division Proteins FtsQ and FtsB. MBio, 2018, 9, .	4.1	40
29	Proteinâ€“RNA interactions: structural characteristics and hotspot amino acids. Rna, 2018, 24, 1457-1465.	3.5	56
30	Inâ€…Situ Cyclization of Native Proteins: Structureâ€Based Design of a Bicyclic Enzyme. Angewandte Chemie - International Edition, 2018, 57, 11164-11170.	13.8	39
31	Linking cytochrome P450 enzymes from Mycobacterium tuberculosis to their cognate ferredoxin partners. Applied Microbiology and Biotechnology, 2018, 102, 9231-9242.	3.6	21
32	Inâ€…Situ Cyclization of Native Proteins: Structureâ€Based Design of a Bicyclic Enzyme. Angewandte Chemie, 2018, 130, 11334-11340.	2.0	7
33	New Modalities for Challenging Targets in Drug Discovery. Angewandte Chemie - International Edition, 2017, 56, 10294-10323.	13.8	275
34	Neue ModalitÃten fÃ¼r schwierige Zielstrukturen in der Wirkstoffentwicklung. Angewandte Chemie, 2017, 129, 10428-10459.	2.0	39
35	Plant cysteine oxidases are dioxygenases that directly enable arginyl transferase-catalysed arginylation of N-end rule targets. Nature Communications, 2017, 8, 14690.	12.8	171
36	Translocation of an Intracellular Protein via Peptide-Directed Ligation. ACS Chemical Biology, 2017, 12, 504-509.	3.4	20

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37	Structure-Based Design of Non-natural Macrocyclic Peptides That Inhibit Proteinâ€“Protein Interactions. Journal of Medicinal Chemistry, 2017, 60, 8982-8988.	6.4	43
38	Cell Permeable Stapled Peptide Inhibitor of Wnt Signaling that Targets Î²-Catenin Protein-Protein Interactions. Cell Chemical Biology, 2017, 24, 958-968.e5.	5.2	92
39	Increased Conformational Flexibility of a Macrocycleâ€“Receptor Complex Contributes to Reduced Dissociation Rates. Chemistry - A European Journal, 2017, 23, 16157-16161.	3.3	19
40	Innentitelbild: Selective Protein Hyperpolarization in Cell Lysates Using Targeted Dynamic Nuclear Polarization (Angew. Chem. 36/2016). Angewandte Chemie, 2016, 128, 10682-10682.	2.0	0
41	Selective Protein Hyperpolarization in Cell Lysates Using Targeted Dynamic Nuclear Polarization. Angewandte Chemie, 2016, 128, 10904-10908.	2.0	19
42	Selective Protein Hyperpolarization in Cell Lysates Using Targeted Dynamic Nuclear Polarization. Angewandte Chemie - International Edition, 2016, 55, 10746-10750.	13.8	66
43	Orthogonal ring-closing alkyne and olefin metathesis for the synthesis of small GTPase-targeting bicyclic peptides. Nature Communications, 2016, 7, 11300.	12.8	84
44	Constraining an Irregular Peptide Secondary Structure through Ringâ€Closing Alkyne Metathesis. ChemBioChem, 2016, 17, 1915-1919.	2.6	36
45	Protease-Resistant and Cell-Permeable Double-Stapled Peptides Targeting the Rab8a GTPase. ACS Chemical Biology, 2016, 11, 2375-2382.	3.4	61
46	Structureâ€Based Design of Inhibitors of Proteinâ€“Protein Interactions: Mimicking Peptide Binding Epitopes. Angewandte Chemie - International Edition, 2015, 54, 8896-8927.	13.8	540
47	Redox Modulation of PTEN Phosphatase Activity by Hydrogen Peroxide and Bisperoxidovanadium Complexes. Angewandte Chemie - International Edition, 2015, 54, 13796-13800.	13.8	38
48	Direct Modulation of Small GTPase Activity and Function. Angewandte Chemie - International Edition, 2015, 54, 13516-13537.	13.8	63
49	Hydrocarbon Stapled Peptides as Modulators of Biological Function. ACS Chemical Biology, 2015, 10, 1362-1375.	3.4	244
50	Towards understanding cell penetration by stapled peptides. MedChemComm, 2015, 6, 111-119.	3.4	183
51	Constraining Peptide Conformations with the Help of Ring-Closing Metathesis. Synlett, 2014, 26, 1-5.	1.8	2
52	Proteinâ€Templated Peptide Ligation. Angewandte Chemie - International Edition, 2014, 53, 4337-4340.	13.8	32
53	Constrained Peptides with Targetâ€Adapted Crossâ€Links as Inhibitors of a Pathogenic Proteinâ€“Protein Interaction. Angewandte Chemie - International Edition, 2014, 53, 2489-2493.	13.8	118
54	Direct Targeting of Rabâ€GTPaseâ€“Effector Interactions. Angewandte Chemie - International Edition, 2014, 53, 2498-2503.	13.8	79

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55	Small-molecule modulation of Ras signaling. Nature Chemical Biology, 2014, 10, 613-622.	8.0	191
56	Modulators of Proteinâ€“Protein Interactions. Chemical Reviews, 2014, 114, 4695-4748.	47.7	407
57	RÃ¼cktitelbild: Makrocyclische Peptide mit dem Zielprotein angepassten KohlenwasserstoffbrÃ¼cken: Inhibitoren einer pathogenen Protein-Protein-Wechselwirkung (Angew. Chem. 9/2014). Angewandte Chemie, 2014, 126, 2544-2544.	2.0	0
58	Direct targeting of Î²-catenin: Inhibition of proteinâ€“protein interactions for the inactivation of Wnt signaling. Bioorganic and Medicinal Chemistry, 2013, 21, 4020-4026.	3.0	38
59	Inhibition of oncogenic Wnt signaling through direct targeting of Î²-catenin. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 17942-17947.	7.1	221
60	Reversible Covalent Inhibition of a Protein Target. Angewandte Chemie - International Edition, 2012, 51, 8699-8700.	13.8	65
61	Synthesis of all-hydrocarbon stapled Î±-helical peptides by ring-closing olefin metathesis. Nature Protocols, 2011, 6, 761-771.	12.0	328
62	DNA-instructed acyl transfer reactions for the synthesis of bioactive peptides. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 4993-4997.	2.2	24
63	DNAâ€Triggered Synthesis and Bioactivity of Proapoptotic Peptides. Angewandte Chemie - International Edition, 2011, 50, 2828-2832.	13.8	57
64	72 Semi-rational design of Î²-catenin targeting peptides for the inhibition of Wnt-dependent signaling. European Journal of Cancer, Supplement, 2010, 8, 31.	2.2	0
65	Chemical control of biomolecular interaction modules. Pure and Applied Chemistry, 2009, 81, 273-284.	1.9	9
66	Nucleic Acid Templated Reactions: Consequences of Probe Reactivity and Readout Strategy for Amplified Signaling and Sequence Selectivity. Chemistry - A European Journal, 2009, 15, 6723-6730.	3.3	69
67	Photoâ€“Thermal Haptotropism in Cyclopentadienylcobalt Complexes of Linear Phenylenes: Intercyclobutadiene Metal Migration. Angewandte Chemie - International Edition, 2009, 48, 9853-9857.	13.8	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. Rapid Communications in Mass Spectrometry, 2009, 23, 1132-1138.	1.5	2
69	Achieving Turnover in DNAâ€Templated Reactions. ChemBioChem, 2008, 9, 2185-2192.	2.6	123
70	Targetâ€Catalyzed Transfer Reactions for the Amplified Detection of RNA. Angewandte Chemie - International Edition, 2008, 47, 7119-7122.	13.8	66
71	Inducing the replacement of PNA in DNAÂ·PNA duplexes by DNA. Bioorganic and Medicinal Chemistry, 2008, 16, 34-39.	3.0	11
72	Recognizing and Controlling Biomolecules with "Smart" Hybridization-based Switches. Nucleic Acids Symposium Series, 2008, 52, 29-30.	0.3	0

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73	Triplex Molecular Beacons as Modular Probes for DNA Detection. Angewandte Chemie - International Edition, 2007, 46, 5223-5225.	13.8	140
74	DNA-Catalyzed Transfer of a Reporter Group. Journal of the American Chemical Society, 2006, 128, 15596-15597.	13.7	137