# Thorsten Berg

## List of Publications by Citations



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|---|---|---|---|
| 63 papers | 3,008 citations | 26 h-index | 54 g-index |
| 66 ext. papers | 3,300 ext. citations | 6.1 avg, IF | 5.34 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 63 | Stattic: a small-molecule inhibitor of STAT3 activation and dimerization. *Chemistry and Biology*, **2006**, 13, 1235-42 | | 745 |
| 62 | Small-molecule antagonists of Myc/Max dimerization inhibit Myc-induced transformation of chicken embryo fibroblasts. *Proceedings of the National Academy of Sciences of the United States of America*, **2002**, 99, 3830-5 | 11.5 | 272 |
| 61 | Modulation of protein-protein interactions with small organic molecules. *Angewandte Chemie - International Edition*, **2003**, 42, 2462-81 | 16.4 | 260 |
| 60 | Inhibition of polo-like kinase 1 by blocking polo-box domain-dependent protein-protein interactions. *Chemistry and Biology*, **2008**, 15, 459-66 | | 189 |
| 59 | Selective inhibition of c-Myc/Max dimerization and DNA binding by small molecules. *Chemistry and Biology*, **2006**, 13, 745-51 | | 119 |
| 58 | Discovery of chromone-based inhibitors of the transcription factor STAT5. *ChemBioChem*, **2008**, 9, 723-7 | 3.8 | 110 |
| 57 | Inhibition of transcription factors with small organic molecules. *Current Opinion in Chemical Biology*, **2008**, 12, 464-71 | 9.7 | 109 |
| 56 | A high-throughput fluorescence polarization assay for signal transducer and activator of transcription 3. *Analytical Biochemistry*, **2004**, 330, 114-8 | 3.1 | 89 |
| 55 | Serendipitous alkylation of a Plk1 ligand uncovers a new binding channel. *Nature Chemical Biology*, **2011**, 7, 595-601 | 11.7 | 84 |
| 54 | Polo-box domain inhibitor poloxin activates the spindle assembly checkpoint and inhibits tumor growth in vivo. *American Journal of Pathology*, **2011**, 179, 2091-9 | 5.8 | 67 |
| 53 | Small-molecule inhibitors of protein-protein interactions. *Current Opinion in Drug Discovery & Development*, **2008**, 11, 666-74 | | 65 |
| 52 | A pan-specific inhibitor of the polo-box domains of polo-like kinases arrests cancer cells in mitosis. *ChemBioChem*, **2009**, 10, 1145-8 | 3.8 | 61 |
| 51 | Selective inhibition of c-Myc/Max dimerization by a pyrazolo[1,5-a]pyrimidine. *ChemMedChem*, **2007**, 2, 627-30 | 3.7 | 60 |
| 50 | Identification of high affinity polo-like kinase 1 (Plk1) polo-box domain binding peptides using oxime-based diversification. *ACS Chemical Biology*, **2012**, 7, 805-10 | 4.9 | 59 |
| 49 | A high-throughput assay based on fluorescence polarization for inhibitors of the polo-box domain of polo-like kinase 1. *Analytical Biochemistry*, **2008**, 383, 205-9 | 3.1 | 47 |
| 48 | Nanomolar inhibitors of the transcription factor STAT5b with high selectivity over STAT5a. *Angewandte Chemie - International Edition*, **2015**, 54, 4758-63 | 16.4 | 42 |
| 47 | Small-molecule modulators of c-Myc/Max and Max/Max interactions. *Current Topics in Microbiology and Immunology*, **2011**, 348, 139-49 | 3.3 | 41 |

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|---|---|---|---|
| 46 | Natural product inhibitors of protein-protein interactions mediated by Src-family SH2 domains. *Bioorganic and Medicinal Chemistry Letters*, **2009**, 19, 3305-9 | 2.9 | 41 |
| 45 | A scaffold-tree-merging strategy for prospective bioactivity annotation of gamma-pyrones. *Angewandte Chemie - International Edition*, **2010**, 49, 3666-70 | 16.4 | 40 |
| 44 | Optimized Plk1 PBD Inhibitors Based on Poloxin Induce Mitotic Arrest and Apoptosis in Tumor Cells. *ACS Chemical Biology*, **2015**, 10, 2570-9 | 4.9 | 38 |
| 43 | A high-throughput assay for signal transducer and activator of transcription 5b based on fluorescence polarization. *Analytical Biochemistry*, **2008**, 375, 249-54 | 3.1 | 37 |
| 42 | Peptoid-Peptide hybrid ligands targeting the polo box domain of polo-like kinase 1. *ChemBioChem*, **2012**, 13, 1291-6 | 3.8 | 35 |
| 41 | Signal transducers and activators of transcription as targets for small organic molecules. *ChemBioChem*, **2008**, 9, 2039-44 | 3.8 | 34 |
| 40 | Development of high-throughput assays based on fluorescence polarization for inhibitors of the polo-box domains of polo-like kinases 2 and 3. *Analytical Biochemistry*, **2009**, 395, 189-94 | 3.1 | 33 |
| 39 | PYRROC: the first functionalized cycloalkyne that facilitates isomer-free generation of organic molecules by SPAAC. *Organic and Biomolecular Chemistry*, **2015**, 13, 3866-70 | 3.9 | 29 |
| 38 | Selective targeting of disease-relevant protein binding domains by O-phosphorylated natural product derivatives. *ACS Chemical Biology*, **2011**, 6, 1008-14 | 4.9 | 28 |
| 37 | Rational development of Stafib-2: a selective, nanomolar inhibitor of the transcription factor STAT5b. *Scientific Reports*, **2017**, 7, 819 | 4.9 | 25 |
| 36 | Direct monitoring of protein protein inhibition using nano electrospray ionization mass spectrometry. *Chemical Science*, **2014**, 5, 2794-2803 | 9.4 | 20 |
| 35 | Inhibitors of the Polo-Box Domain of Polo-Like Kinase 1. *ChemBioChem*, **2016**, 17, 650-6 | 3.8 | 18 |
| 34 | Oral disinfectants inhibit protein-protein interactions mediated by the anti-apoptotic protein Bcl-xL and induce apoptosis in human oral tumor cells. *Angewandte Chemie - International Edition*, **2013**, 52, 4487-91 | 16.4 | 16 |
| 33 | MCC1019, a selective inhibitor of the Polo-box domain of Polo-like kinase 1 as novel, potent anticancer candidate. *Acta Pharmaceutica Sinica B*, **2019**, 9, 1021-1034 | 15.5 | 16 |
| 32 | Phosphorylation of Capsaicinoid Derivatives Provides Highly Potent and Selective Inhibitors of the Transcription Factor STAT5b. *ACS Chemical Biology*, **2015**, 10, 2884-90 | 4.9 | 15 |
| 31 | Development of Bifunctional Inhibitors of Polo-Like Kinase 1 with Low-Nanomolar Activities Against the Polo-Box Domain. *ChemBioChem*, **2016**, 17, 759-67 | 3.8 | 15 |
| 30 | Development of Erasin: a chromone-based STAT3 inhibitor which induces apoptosis in Erlotinib-resistant lung cancer cells. *Scientific Reports*, **2017**, 7, 17390 | 4.9 | 15 |
| 29 | Selective Degradation of Polo-like Kinase 1 by a Hydrophobically Tagged Inhibitor of the Polo-Box Domain. *Angewandte Chemie - International Edition*, **2018**, 57, 17043-17047 | 16.4 | 12 |

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| 28 | Inhibition of TNF-alpha signaling: divide and conquer. *ChemMedChem*, **2006**, 1, 687-8 | 3.7 | 11 |
| 27 | Nanomolar Inhibitors of the Transcription Factor STAT5b with High Selectivity over STAT5a. *Angewandte Chemie*, **2015**, 127, 4840-4845 | 3.6 | 10 |
| 26 | A small-molecule screen identifies the antitrypanosomal agent suramin and analogues NF023 and NF449 as inhibitors of STAT5a/b. *Bioorganic and Medicinal Chemistry Letters*, **2017**, 27, 3349-3352 | 2.9 | 10 |
| 25 | The STAT5b Linker Domain Mediates the Selectivity of Catechol Bisphosphates for STAT5b over STAT5a. *ACS Chemical Biology*, **2019**, 14, 796-805 | 4.9 | 8 |
| 24 | The hydrophobically-tagged MDM2-p53 interaction inhibitor Nutlin-3a-HT is more potent against tumor cells than Nutlin-3a. *Chemical Communications*, **2019**, 55, 14351-14354 | 5.8 | 8 |
| 23 | The natural product betulinic acid inhibits C/EBP family transcription factors. *ChemBioChem*, **2012**, 13, 302-7 | 3.8 | 7 |
| 22 | Halogen-substituted catechol bisphosphates are potent and selective inhibitors of the transcription factor STAT5b. *Bioorganic and Medicinal Chemistry*, **2017**, 25, 3871-3882 | 3.4 | 6 |
| 21 | Synthesis and biochemical evaluation of highly enantiomerically pure (R,R)- and (S,S)-alexidine. *Bioorganic and Medicinal Chemistry*, **2013**, 21, 7357-63 | 3.4 | 6 |
| 20 | Stafia-1: a STAT5a-Selective Inhibitor Developed via Docking-Based Screening of in Silico O-Phosphorylated Fragments. *Chemistry - A European Journal*, **2020**, 26, 148-154 | 4.8 | 6 |
| 19 | Poloxin-2HT+: changing the hydrophobic tag of Poloxin-2HT increases Plk1 degradation and apoptosis induction in tumor cells. *Organic and Biomolecular Chemistry*, **2019**, 17, 3113-3117 | 3.9 | 5 |
| 18 | Phosphopeptides with improved cellular uptake properties as ligands for the polo-box domain of polo-like kinase 1. *Bioorganic and Medicinal Chemistry Letters*, **2011**, 21, 4686-9 | 2.9 | 5 |
| 17 | ATP Inhibits the Transcription Factor STAT5b. *ChemBioChem*, **2019**, 20, 2227-2231 | 3.8 | 4 |
| 16 | Synthesis of TRIPCO: A New Cyclooctyne for iSPAAC. *Synlett*, **2019**, 30, 939-942 | 2.2 | 4 |
| 15 | Ribosomal binding and antibacterial activity of ethylene glycol-bridged apidaecin Api137 and oncocin Onc112 conjugates. *Journal of Peptide Science*, **2016**, 22, 592-9 | 2.1 | 4 |
| 14 | iSPAAC: Isomer-Free Generation of a Bcl-x -Inhibitor in Living Cells. *Chemistry - A European Journal*, **2018**, 24, 13762-13766 | 4.8 | 4 |
| 13 | Use of "tethering" for the identification of a small molecule that binds to a dynamic hot spot on the interleukin-2 surface. *ChemBioChem*, **2004**, 5, 1051-3 | 3.8 | 4 |
| 12 | Cellular profiling of small-molecule bioactivities: an alternative tool for chemical biology. *Angewandte Chemie - International Edition*, **2005**, 44, 5008-11 | 16.4 | 4 |
| 11 | Orale Desinfektionsmittel inhibieren Protein-Protein-Wechselwirkungen des antiapoptotischen Proteins Bcl-xL und induzieren Apoptose in humanen oralen Tumorzellen. *Angewandte Chemie*, **2013**, 125, 4583-4588 | 3.6 | 3 |

# List of Publications

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|---|---|---|---|
| 10 | The Selectivity of Fosfosal for STAT5b over STAT5a is Mediated by Arg566 in the Linker Domain. *ChemBioChem*, **2020**, 21, 2264-2267 | 3.8 | 3 |
| 9 | Selective Degradation of Polo-like Kinase 1 by a Hydrophobically Tagged Inhibitor of the Polo-Box Domain. *Angewandte Chemie*, **2018**, 130, 17289-17293 | 3.6 | 3 |
| 8 | Reply to Revisiting the Specificity of Small Molecule Inhibitors: The Example of Stattic in Dendritic Cells *Chemistry and Biology*, **2012**, 19, 1215-1216 | | 2 |
| 7 | Small-Molecule Inhibitors of Protein-Protein Interactions **2010**, 318-339 | | 2 |
| 6 | Effect of amino acid substitutions on 70S ribosomal binding, cellular uptake, and antimicrobial activity of oncocin Onc112.. *ChemBioChem*, **2021**, | 3.8 | 2 |
| 5 | Inhibition of Protein-Protein Interactions: New Options for Developing Drugs against Neglected Tropical Diseases. *Angewandte Chemie - International Edition*, **2017**, 56, 12048-12050 | 16.4 | 1 |
| 4 | Asymmetrically Substituted m-Terphenyl Phosphates Inhibit the Transcription Factor STAT5a.. *ChemBioChem*, **2021**, e202100603 | 3.8 | 0 |
| 3 | Die Hemmung von Protein-Protein-Wechselwirkungen: neue Ansätze zur Entwicklung von Wirkstoffen gegen Tropenkrankheiten. *Angewandte Chemie*, **2017**, 129, 12214-12216 | 3.6 | |
| 2 | When chemistry met biology. *Angewandte Chemie - International Edition*, **2004**, 43, 3750-1 | 16.4 | |
| 1 | Expansion of Normal and Leukemic Hematopoietic Progenitor Cells by PTH Requires bFGF Activation of c-Kit and Its Downstream JAK2/STAT5 Signaling.. *Blood*, **2009**, 114, 2511-2511 | 2.2 | |