

Dirk Trauner

Born: April 17, 1967, Linz, Austria

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Education and Professional Experience

March 1, 2017 - present	Janice Cutler Chair in Chemistry and Adjunct Professor of Neuroscience and Physiology, New York University.
August 2008 - February 2017	Professor of Chemical Biology and Chemical Genetics, Ludwig-Maximilians-Universität, Munich (LMU).
July 2006 - August 2010	Associate Professor (with tenure), Department of Chemistry, University of California, Berkeley.
July 2005 - July 2008	Member, Lawrence Berkeley National Laboratory
July 2000 - June 2006	Assistant Professor, Department of Chemistry, University of California, Berkeley.
June 1998 - June 2000	Postdoctoral Research Fellow with Prof. S.J. Danishefsky, Sloan-Kettering Institute for Cancer Research, New York City.
October 1997 - May 1998	Military service in the Austrian Army (ABC Abweherschule, Vienna, Austria).
October 1997	Ph.D. (" <i>Summa Cum Laude</i> "). University of Vienna, Austria.
October 1996 - September 1997	Graduate research with Prof. J. Mulzer at the University of Vienna, Austria. Employment as Universitätsassistent.
October 1995 - September 1996	Graduate research with Prof. J. Mulzer at the Johann Wolfgang Goethe Universität, Frankfurt am Main, Germany. Employment as "Universitätsassistent".
February 1995	Diplom (" <i>Mit Auszeichnung</i> "), Free University Berlin, Germany.
January 1994 - September 1995	Undergraduate research ("Diplomarbeit") and graduate research in Prof. Mulzer's group at the Free University Berlin, Germany. Employment as "Universitätsassistent".
January 1992 - September 1995	Studied chemistry at the Free University Berlin, Germany.
October 1988 - October 1991	Studied biochemistry at the University of Vienna, Austria.
October 1986 - October 1988	Studied biology at the University of Vienna, Austria.

Scientific Affiliations

Member, Leopoldina - German Academy of Sciences
Corresponding Member, Austrian Academy of Sciences
Fellow of the Royal Society of Chemistry
Member, American Chemical Society
Member, German Chemical Society (GDCh)
Member, Austrian Chemical Society (GOeCh)

Honors

2017	Member, Leopoldina - German Academy of Sciences
2016	Otto Bayer Award
2016	Emil-Fischer-Medal of the German Chemical Society
2015-2016	George Büchi Lecturer, Massachusetts Institute of Technology
2014-2015	Morris S. Kharasch Visiting Professor, University of Chicago
2014-2015	Novartis Chemistry Lectureship
2013	Kitasato Microbial Chemistry Medal
2012	Beijing University Shenzhen Graduate School Lectureship
2012	Nankai University Lectureship
2011	Corresponding Member, Austrian Academy of Sciences
2011	Hofmann Lecture, Imperial College, London
2011	European Research Council Advanced Investigator Grant
2010	Japanese Society for the Promotion of Science Fellowship
2010	Andy Derome Lecturer, University of Oxford
2010	Givaudan/Karrer Distinguished Visiting Professor, University of Zurich
2008	Roche Excellence in Chemistry Award
2007	Schulich Lecturer, Technion, Israel
2004 - 2006	Japanese-American Frontiers of Science Fellow
2005	Novartis Young Investigator Award
2004	Amgen Young Investigator Award
2004	AstraZeneca Young Investigator Award
2004	Alfred P. Sloan Fellowship
2003	NSF Career Award

2003	GlaxoSmithKline Chemistry Scholar Award
2003	Eli Lilly Grantee Award
2003	NARSAD Young Investigator Award
2002	Hellman Family Faculty Award, UC Berkeley
1998 - 2000	Schering Postdoctoral Fellowship Award
1997	Austrian Chemical Society Award (best thesis of the year 1997)

Community Service

Editor, *Organic Syntheses*

Fachforum Chemie, German Research Foundation (DFG, until September 2016)

Review Panel, NCCR Chemical Biology, Swiss National Science Foundation (SNSF)

Advisory Board, Helmholtz Centre for Pharmaceutical Research, Saarbrücken (HIPS)

Heinrich Wieland Prize Selection Committee

Minerva Weizmann Committee

Associate Editor, *Natural Product Reports*

Associate Editor, *Strategies and Tactics in Total Synthesis*

Editorial Advisory Board, *ACS Central Science*

Editorial Advisory Board, *ACS Chemical Neuroscience*

Editorial Advisory Board, *ChemBioChem*

Editorial Advisory Board, *Chem*

Associate Editor, *Beilstein Journal of Organic Chemistry* (until December 2012)

Member, Feodor Lynen-Fellowship Committee, Alexander von Humboldt Foundation (until December 2012)

Publications

An asterisk denotes a corresponding co-authorship.

2018

256. "Manipulating midbrain dopamine neurons and reward-related behaviors with light-controllable nicotinic acetylcholine receptors" Durand-de Cuttoli, R.; Mondoloni, S.; Marti, F.; Lemoine, D.; Nguyen, C.; Naude, J.; D'Izarnt-Gargas, T.; Pons, S.; Maskos, U.; Trauner, D.; Kramer, R., H.; Faure, P.; Mourot, A. *elife*, **2018**, Article ASAP.
255. "Optical Control of a Delayed Rectifier and a Two-Pore Potassium Channel with a Photoswitchable Bupivacaine" Leippe, P.; Winter, N.; Sumser, M., P. *ACS Chem. Neurosci.* **2018**, Article ASAP.
254. "A Versatile Bis-Allylboron Reagent for the Stereoselective Synthesis of Chiral Diols" Hetzler, B. E.; Volpin, G.; Vignoni, E.; Petrovic, A. P.; Proni, G.; Chunhua, T., H.; Trauner, D.* *Angew. Chem. Int. Ed.* **2018**, accepted article.
253. "Optical Control of L-Type Ca²⁺ Channels Using a Diltiazem Photoswitch" Fehrentz, T.; Huber, F. M. E.; Vrielink, N.; Bruegmann, T.; Frank, J. A.; Fine, N. H. F.; Malan, D.; Danzl, J. G.; Tikhonov, D. B.; Sasse, P.; Hodson, D. J.; Zhorov, B. S.; Klöcker, N.*; Trauner, D.* *Nature Chem. Biol.* **2018**, *14*, 764-767.
252. "In Vivo Photopharmacology" Hüll, K.; Morstein, J.; Trauner, D. *Chem. Rev.* **2018**, *118*, DOI: 10.1021/acs.chemrev.8b0003.
251. "Total Synthesis of (±)-Exotine B" Cheng, B.; Volpin, G.; Morstein, J.; Trauner, D. *Org. Lett.* **2018**, *20*, 4358-4361.
250. "Toward (-)-Enterocin: An Improved Cuprate Barbier Protocol To Overcome Strain and Sterical Hindrance" Rizzo, A.; Trauner, D. *Org. Lett.* **2018**, *20*, 1841-1844.
249. "Total Synthesis of the Norhasubanan Alkaloid Stephdiamine" Hartrampf, N.; Winter, N.; Pupo, G.; Stoltz, B.; Trauner, D.* *J. Am. Chem. Soc.* **2018**, *140*, 8675-8680.
248. "Azomethine Ylide Cycloaddition Approach toward Dendrobine: Synthesis of 5-Deoxymubironine C" Williams, B. M.; Trauner D. *J. Org. Chem.* **2018**, *83*, 3061-3068.
247. "Conditional and Reversible Activation of Class A and B G Protein-Coupled Receptors Using Tethered Pharmacology" Podewin, T.; Ast, J.; Broichhagen, J.; Fine, N. H. F.; Nateska, J.; Leippe, P.; Gailer, M.; Buenaventura, T.; Kanda, N.; Jones, B. J.; M'Kadmi, Z.; Baneres, J.-L.; Marie, J.; Tomas, A.; Trauner, D.*; Hoffmann-Röder, A.*; Hodson, D. J.* *ACS Cent. Sci.* **2018**, *4*, 166-179.
246. "A Predictive Approach for the Optical Control of Carbonic Anhydrase II Activity" DuBay, K. H.; Iwan, K.; Osorio-Planes, L.; Geissler, P. L.; Groll, M.; Trauner, D.; Broichhagen, J. *ACS Chem. Biol.* **2018**, *13*, 793-800.

245. "SNAP-Tagged Nanobodies Enable Reversible Optical Control of a G Protein Coupled Receptor via a Remotely Tethered Photoswitchable Ligand" Farrants, H.; Acosta Ruiz, A.; Gutzeit, V. A.; Trauner, D.; Johnsson, K.; Levitz, J.; Broichhagen, J. *BioRxiv* **2018**, DOI: <http://dx.doi.org/10.1101/266247>.
244. "Optical Control of a Biological Reaction–Diffusion System" Glock, P.; Broichhagen, J.; Kretschmer, S.; Blumhardt, P.; Mücksch, J.; Trauner, D.*; Schwille, P.* *Ange. Chem. Int. Ed.* **2018**, *57*, 2362-2366.
243. "Selective Synthesis of Divergolide I" Terwilliger, D.; Trauner, D. *J. Am. Chem. Soc.* **2018**, *140*, 2748-2751.
242. "Reversible Optical Control of F₁F₀-ATP Synthase Using Photoswitchable Inhibitors" Eisel, B.; Hartrampf, F. W. W.; Meier, T.*; Trauner, D.* *FEBS Letters* **2018**, DOI: 10.1002/1873-3468.12958.

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241. Donthamsetti, P., C.; Winter, N.; Schönberger, M.; Levitz., J.; Stanley, C.; Javitch, J., A.; Isacoff, E., Y.; Trauner, D. *J. Am. Chem. Soc.*, **2017**, *139*, 18522–18535.
240. "Restoration of patterned vision with an engineered photoactivatable G protein-coupled receptor" Berry, M., H.; Holt, A.; Levitz, J.; Broichhagen, J.; Gaub, B., M.; Visel, M.; Stanley, C.; Aghi, K.; Kim, J., J.; Cao, K.; Kramer, R., H.; Trauner, D.; Flannery, J.; Isacoff, E., Y.; *Nat. Communications* **2017**, 1862.
239. "The Chemist and the Architect" Trauner, D. *Angew. Chem. Int. Ed.* **2018**, *57*, 4177-4191.
238. "PhoDAGs Enable Optical Control of Diacylglycerol-Sensitive Transient Receptor Potential Channels" Trese Leinders-Zufall, T.; Storch, U.; Blyemehl, K.; Mederos y Schnitzler, M.; Frank, J.; Konrad, D.; Trauner, D.; Gudermann, T.; Zufall, F. *Cell Chemical Biology* **2017**, *25*, 215-223.
237. "Synthesis of Photoswitchable Δ^9 -Tetrahydrocannabinol Derivatives Enables Optical Control of Cannabinoid Receptor 1 Signaling" Westphal, M.; Schafroth, M.A.; Sarott, R.; Imhof, M.; Bold, C.; Leippe, P.; Dhopeswarkar, A.; Grandner, J.; Katritch, V.; Mackie, K.; Trauner, D.*; Carreira, E. M.*; Frank, J. A.* *J. Am. Chem. Soc.* **2017**, *139*, 18206-18212.
236. "Specificity and Speed: Tethered Photopharmacology" Leippe, P.; Koehler-Lemann, J.; Trauner, D. *Biochemistry* **2017**, *56*, 5214-5220.
235. "Optical Control of GPR40 Signaling in Pancreatic β -Cells" Frank, J. A.; Yushchenko, D.; Hine, N. N. F.; Duca, M.; Citir, M.; Broichhagen, J.; Hodson,* D. A.; Schultz, C.*; Trauner, D.* *Chem. Sci.* **2017**, *8*, 7604-7610.
234. "Total Synthesis of Crocagin A" Bihelovic, F.; Stichnoth, D.; Surup, F.; Müller, R.; Trauner, D. *Angew. Chem. Int. Ed.* **2017**, *56*, 13028-13031.

233. "Biomimetic Synthesis of Complex Flavonoids Isolated From Daemonorops 'Dragon's Blood'" Schmid, M.; Trauner, D. *Angew. Chem. Int. Ed.* **2017**, *56*, 12332-12335.
232. "Total Syntheses of Cystobactamids and Structural Confirmation of Cystobactamid 919-2" Cheng, B.; Müller, R.; Trauner, D. *Angew. Chem. Int. Ed.* **2017**, *56*, 12755-12759.
231. "Thiocarbonyl Ylide Chemistry Enables a Concise Synthesis of (±)-Hippolachnin A " Liu, S.-A.; Trauner, D. *J. Am. Chem. Soc.* **2017**, *239*, 11706-11709.
230. "Total Synthesis of Lycoplamine A and Carinatine A via a Base-Mediated Carbocyclization" Hartrampf, F.; Trauner, D. *J. Org. Chem.* **2017**, *82*, 8206-8212.
229. "Development of a Photoswitchable Antagonist of NMDA Receptors" Hartrampf, F. W. W.; Barber, D. M.; Gottschling, K.; Leippe, P.; Hollmann, M.; Trauner, D. *Tetrahedron* **2017**, *73*, 4905-4912.
228. "Asymmetric Synthesis of the Antiviral Diterpene Wickerol A" Liu, S.-A.; Trauner, D. *J. Am. Chem. Soc.* **2017**, *239*, 9491-9494.
227. "Wild-type Monomeric α -Synuclein Can Impair Vesicle Endocytosis and Aynaptic Fidelity via Tubulin Polymerization at the Calyx of Held " Eguchi, K.; Taoufiq, Z.; Thorn-Seshold, O.; Trauner, D.; Hasegawa, M.; Takahashi, T.; *J. Neurosci.* **2017**, *37*, 6043-6052.
226. "Structure and Biosynthesis of Crocagins: Polycyclic Posttranslationally Modified Ribosomal Peptides from *Chondromyces crocatus*". Viehrig, K.; Surup, F.; Volz, C.; Herrmann, J.; Abou Fayad, A.; Adam, S.; Köhnke, J.; Trauner, D.; Müller, R. *Angew. Chem. Int. Ed.* **2017**, *56*, 7407-7410.
225. "Photopharmacological Control of Bipolar Cells Enables the Restoration of Visual Function" Laprell, L.; Tochitsky, I.; Kaur, K.; Manookin, M. B.; Stein, M.; Barber, D. M.; Schoen, C.; Michalakis, S.; Biel, Kramer R. H.; Sumser, M.; Trauner, D.; * Van Gelder, R. N. * *J. Clin. Invest.* **2017**, DOI:10.1172/JCI92156.
224. "A Photoswitchable Inhibitor of a Glutamate Transporter" Cheng. B.; Shchepakin, B.; Kavanaugh, M.;* Trauner, D.* *ACS Chem Neurosci.* **2017**, *8*, 1668-1672.
223. "Light-Controlled Membrane Mechanics and Shape Transitions of Photoswitchable Lipid Vesicles" Pernpeintner, C.; Frank, J. A.; Urban, P.; Roeske, C. R.; Pritzl, S. D.; Trauner, D.;* Lohmüller, T.* *Langmuir*, **2017**, *33*, 4083-4089.
222. "Optical Control of a Receptor-linked Guanylyl Cyclase Using a Photoswitchable Peptidic Hormone" Podewin, T.; Broichhagen, J.; Frost, C.; Groneberg, D.; Ast, J.; Meyer-Berg, H.; Fine, N. H. F.; Friebe, A.; Zacharias, M.; Hodson, D. J.; Trauner, D.;* Hoffmann-Röder, A.* *Chem. Sci.* **2017**, *8*, 4644-4653.

221. "Dual Optical Control and Mechanistic Insights Into Photoswitchable Group II and III Metabotropic Glutamate Receptors" Levitz, J.; Broichhagen, J.; Leippe, P.; Konrad, D.; Trauner D.; Isacoff, E. Y. *Proc. Natl. Acad. Sci. USA* **2017**, *114*, E3546–E3554.
220. "Selective Lithiation, Magnesiumation and Zincation of Unsymmetrical Azobenzenes Using Continuous Flow" Ketels, M.; Konrad, D.; Karaghiosoff, K.; Trauner, D.*; Knochel, P.* *Org. Lett.* **2017**, *19*, 1666–1669.
219. "Remote Control of Glucose Homeostasis *in vivo* Using Photopharmacology" Mehta, Z. B.; Johnston, N. R.; Nguyen-Tu, M.-S.; Broichhagen, J.; Schultz, P.; Larner, D. P.; Leclerc, I.; Trauner, D.*; Rutter, G. A.*; Hodson, D. J.* *Sci. Rep.* **2017**, *7*, 291, DOI: 10.1038/s41598-017-00397-0.
218. "Furans as Versatile Synthons: Total Syntheses of Caribenol A and Caribenol B" Hao, H.; Trauner, D. *J. Am. Chem. Soc.* **2017**, *239*, 12981-12986.
217. "Unravelling Photochemical Relationships Amongst Natural Products from *Aplysia dactylomela*" Matsuura, B. S.; Kölle, P.; de Vivie-Riedle, R.*; Trauner, D.*; Meier, R.* *ACS Central Sci.* **2017**, *3*, 39-46.
216. "A Conia-Ene-Type Cyclization Under Basic Conditions Enables an Efficient Synthesis of (–)-Lycoserramine R" Hartrampf, F.; Furukawa, T.; Trauner, D. *Angew. Chem. Int. Ed.* **2017**, *56*, 893-896.
215. "Enantioselective Synthesis and Racemization of (–)-Sinoracutine" Volpin, G.; Veprek, N. A.; Bellan, A. B.; Trauner, D. *Angew. Chem. Int. Ed.* **2017**, *56*, 897-901.
214. "Optical Control of GIRK Channels Using Visible Light" Trads, J. B.; Burgstaller, J.; Laprell, L.; Konrad, D. B.; de la Osa de la Rosa, L.; Weaver, C. D.; Trauner, D.*; Barber, D.* *Org. Biomol. Chem.* **2017**, *15*, 76-81.

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213. "Optical Control of Lipid Rafts with Photoswitchable Ceramides" Frank, J. A.; Franquelim, H. A.; Schwille, P.*; Trauner, D.* *J. Am. Chem. Soc.* **2016**, *138*, 12981-12986.
212. "Optical Control of AMPA Receptors Using a Photoswitchable Quinoxaline-2,3-dione Antagonist" Barber, D. M.; Liu, S.-A.; Gottschling, K.; Sumser, M.; Hollmann, M.; Trauner, D. *Chem. Sci.* **2017**, *8*, 611-615.
211. "Beta Cell Hubs Dictate Pancreatic Islet Responses to Glucose" Johnston, N. R.; Mitchell, R. K.; Haythorne, E.; Paiva Pessoa, M.; Semplici, F.; Ferrer, J.; Piemonti, L.; Marchetti, P.; Bugliani, M.; Bosco, D.; Berishvili, E.; Duncanson, P.; Watkinson, M.; Broichhagen, J.; Trauner, D.; Rutter, G. A.; Hodson, D. J. *Cell Metab.* **2016**, *24*, 389-401.

210. "Photoswitchable Diacylglycerols Enable Optical Control of Protein Kinase C" Frank, J. A.; Yushchenko, D.; Hodson, D. A.; Lipstein, N.; Nagpal, J.; Rutter, G. A.; Rhee, J.-S.; Gottschalk, A.; Brose, N.; Schultz, C.; Trauner, D. *Nature Chem. Biol.* **2016**, *12*, 755-762.
209. "A Synthesis of (\pm)-Aplydactone" Meier, R., Trauner, D. *Angew. Chem. Int. Ed.* **2016**, *55*, 11251-11255.
208. "Allosteric Optical Control of a Class B G-Protein-Coupled Receptor". Broichhagen, J.; Johnston, N. R.; von Ohlen, Y.; Meyer-Berg, H.; Jones, B. J.; Bloom, S. R.; Rutter, G. A.; Trauner, D.*; Hodson, D. J.* *Angew. Chemie Int. Ed.* **2016**, *55*, 5865-5868.
207. "A Family of Photoswitchable NMDA Receptors" Berlin, S.; Szobota, S.; Reiner, A.; Kienzler, M. A.; Guyon, A.; Trauner, D.; Isacoff, E. Y. *eLife* **2016**, e12040, DOI: 10.7554/eLife.12040.
206. "Synthesis of Red-shifted Azobenzene Photoswitches via Late-Stage Functionalization" Konrad, D.; Frank, J. A.; Trauner, D. *Chem. Eur. J.* **2016**, *22*, 4364-4368.
205. "6-[6-(Pyridin-2-yl)-1,2,4,5-tetrazin-3-yl]pyridin-3-amine monohydrate" Broichhagen, J.; Klingl, Y. E.; Trauner, D.; Mayer, P. *Acta Cryst.* **2016**, E72, 238-240.
204. "Expedient Synthesis of Lycopalhine A" Williams, B., Trauner, D.* *Angew. Chemie Int. Ed.* **2016**, *55*, 2191-2194.
203. "Optical Control of Neuronal Activity Using a Light Operated GIRK-Channel Opener (LOGO)" Barber, D.; Schönberger, M.; Burgstaller, J.; Levitz, J.; Weaver, C. D.; Isacoff, E. Y.; Baier, H.; Trauner, D. *Chem. Sci.* **2016**, *7*, 2347-2352.
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201. "Restoring Light Sensitivity in Blind Retinae Using a Photochromic AMPA Receptor Agonist" Laprell, L.; Hüll, K.; Stawski, P.; Schön, C.; Michalakis, S.; Biel, M.; Sumser, M. P.; Trauner, D. *ACS Chem. Neurosci.* **2016**, *7*, 15-20.

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199. "Optical Control of Insulin Secretion Using an Incretin Switch" Broichhagen, J.; Podewin, T.; Meyer-Berg, H.; von Ohlen, Y.; Johnston, N. R.; Jones, B. J.; Bloom, S. R.; Rutter, G. A.; Hoffmann-Röder, A.*; Hodson, D. J. *; Trauner, D.* *Angew. Chem. Int. Ed.* **2015**, *54*, 15565-15569.

198. "A Highly Convergent and Biomimetic Total Synthesis of Portentol" Cheng, B.; Trauner, D. *J. Am. Chem. Soc.* **2015**, *137*, 13800-13803.
197. "Orthogonal Optical Control of a G Protein-Coupled Receptor With a SNAP-Tethered Photochromic Ligand" Broichhagen, J.; Damijonaitis, A.; Levitz, J.; Sokol, K. R.; Leippe, P.; Konrad, D.; Isacoff, E. Y.; Trauner, D. *ACS Central Sci.* **2015**, *1*, 383-393.
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195. "An Eight-Step Synthesis of Epicolactone Reveals its Biosynthetic Origin" Ellerbrock, P.; Armanino, N.; Ilg, M. K.; Webster, R.; Trauner, D. *Nature Chemistry* **2015**, *7*, 879-882.
194. "Molecular Dynamics Investigation of Gluazo, a Photo-Switchable Ligand for the Glutamate" Guo, Y.; Wolter, T.; Kubař, T.; Sumser, M.; Trauner, D.; Elstner, M. *PLoS One* **2015**, *10*, e0135399.
193. "Optical Control of NMDA-Receptors With a Diffusible Photoswitch" Laprell, L.; Repak, E.; Franckevicius, V.; Hartrampf, F.; Terhag, J.; Hollmann, M.; Sumser, M.; Rebola, N.; DiGregorio, D.*; Trauner, D.* *Nature Commun.* **2015**, *6*, 8076.
192. "Richard Willstätter and the 1915 Nobel Prize in Chemistry" Trauner, D. *Angew. Chem. Int. Ed.* **2015**, *54*, 11910-11916.
191. "Azobenzene-Based Inhibitors of Human Carbonic Anhydrase II" Runtsch, L. S.; Barber, D. M.; Mayer, P.; Groll, M.; Trauner, D.; Broichhagen, J. *Beilstein J. Org. Chem.* **2014**, *11*, 1129-1135.
190. "Photoswitchable Inhibitors of Microtubule Dynamics Optically Control Mitosis and Cell Death" Borowiak, M.; Nahaboo, W.; Reynders, M.; Nekolla, K.; Jalinot, P.; Hasserodt, J.; Rehberg, M.; Delattre, M.; Zahler, S.; Vollmar, A.; Trauner, D.*; Thorn-Seshold, O.* *Cell* **2015**, *162*, 403-411.
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188. Evolution of a Unified Strategy for Complex Sesterterpenoids: Progress toward Astellatol and Total Synthesis of (-)-Nitidasin" Hog, D. T.; Huber, F. M. E.; Jiménez-Osés, G.*; Mayer, P.; Houk, K. N., Trauner, D.* *Chem. Eur. J.*, **2015**, *21*, 13646-13665.
187. "A Roadmap to Success in Photopharmacology" Broichhagen, J.; Frank, J.A.; Trauner, D. *Acc. Chem. Res.*, **2015**, *48*, 1947-1960.

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185. "Photoswitchable Fatty Acids Enable Optical Control of TRPV1" Frank, J. A.; Moroni, M.; Moshourab, R.; Sumser, M.; Lewin, G. R.; Trauner, D. *Nature Commun.* **2015**, *6*, 7188.
184. "Molecular Aesthetics" Herausgegeben von Peter Weibel und Ljiljana Fruk" (Book Review) Trauner, D. *Angew. Chemie Int. Ed.* **2015**, *54*, 7074.
183. "Biomimetic Total Synthesis of Santalin Y" Strych, S.; Journot, G.; Pemberton, R.P.; Wang, S. C.; Tantillo, D.*; Trauner, D.* *Angew. Chem. Int. Ed.* **2015**, *54*, 5079-5083.
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181. "A Red-Shifted Photochromic Sulfonylurea for the Remote Control of Pancreatic Beta Cell Function" Broichhagen, J.; Frank, J. A.; Johnston, N. R.; Mitchell, K.; Smid, K.; Marchetti, P.; Bugliani, M.; Rutter, G. A.; Trauner, D.*; Hodson, D.* *Chem. Commun.* **2015**, *27*, 6018-6021.
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179. "Synthetic Studies Toward Polytwistane Hydrocarbon Nanorods" Olbrich, M.; Mayer, P.; Trauner, D. *J. Org. Chem.*, **2015**, *80*, 2042-2055.

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