

Publication List Prof. Dr. Christoph Arenz (ORCID: 0000-0001-7613-9437)

(IF = Impact factor, © 2018 by JCR Science Foundation):

I) Peer-reviewed Accepted Publications

1. N. Coant, J.D. Bickel, R. Rahaim, Y. Otsuka, Y.-M. Choi, R. Xu, M. Simoes, C. Cariello, C. Mao, E.M. Saied, C. Arenz, T.P. Spicer, T.D. Bannister, P.J. Tonge, M.V. Airola, L. Scampavia, Y.A. Hannun, R.C. Rizzo, J.D. Haley*
"Neutral ceramidase-active site inhibitor chemotypes and binding modes"
Bioorg. Med. Chem. **2023**, 139, 106747-106751. (IF = 5.1)
2. A. Behl, R. Shoaib, F. De Leon, G. Kumari, M. Saini, E. Madan, V. Kumar, H. Singh, J. Kumari, P. Maurya, S. Garg, P.C. Mishra, C. Arenz and S. Singh*
"Targeting an essential Plasmodium cold shock protein to block growth and transmission of malaria parasite"
iScience **2023**, 26, 106637. (IF = 6.1)
3. L.S. Kalinichenko, C. Muhle, T. Jia, F. Anderheiden, M. Datz, A.L. Eberle, V. Eulenbug, J. Granzow, M. Hofer, J. Hohenschild, S.E. Huber, S. Kampf, G. Kogias, L. Lacatusu, C. Lugmair, S.M. Taku, D. Meixner, N.K. Sembritzki, M. Praetner, C. Rhein, C. Sauer, J. Scholz, F. Ulrich, F. Valenta, E. Weigand, M. Werner, N. Tay, C.J. Mc Veigh, J. Haase, A.L. Wang, L. Abdel-Hafiz, J.P. Huston, I. Smaga, M. Frankowska, M. Filip, A. Lourdusamy, P. Kirchner, A.B. Ekici, L.M. Marx, N.P. Suresh, R. Frischknecht, A. Fejtova, E.M. Saied, C. Arenz, A. Bozec, I. Wank, S. Kreitz, A. Hess, M.D. Ledesma, D.N. Mitroi, A.M. Miranda, T.G. Oliveira, B. Lenz, G. Schumann, J. Kornhuber, C.P. Muller*
"Adult alcohol drinking and emotional tone are mediated by neutral sphingomyelinase during development in males"
Cereb Cortex **2023**, 33, 844–864. (IF = 4.8)
4. Y. Feng, Z. Kochovski, C. Arenz, Y. Lu, J. Kneipp*
„Structure and Interaction of Ceramide-Containing Liposomes with Gold Nanoparticles as Characterized by SERS and Cryo-EM"
J. Phys. Chem. C **2022**, 126, 13237–13246. (IF = 4.1)

5. T. Jiang, R. Samapati, S. Klassen, D. Lei, L. Erfinanda, V. Jankowski, S. Simmons, J. Yin, C. Arenz, A. Dietrich, T. Gudermann, D. Adam, M. Schaefer, J. Jankowski, V. Flockerzi, R. Nusing, S. Uhlig, W.M. Kuebler*
"Stimulation of the EP3 receptor causes lung edema by activation of TRPC6 in pulmonary endothelial cells"
Eur Respir J **2022**, *60*, 2102635. (IF = 33.8)
6. Y.M. Suleimen, R.A. Jose, R.N. Suleimen, C. Arenz, M.Y. Ishmuratova, S. Toppet, W. Dehaen, B.A. Alsfolk, E.B. Elkaeed, I.H. Eissa, A.M. Metwaly*
"Jusanin, a New Flavonoid from *Artemisia commutata* with an In Silico Inhibitory Potential against the SARS-CoV-2 Main Protease"
Molecules **2022**, *27*, 1636. (IF = 4.4)
7. Y.M. Suleimen, R.A. Jose, R.N. Suleimen, C. Arenz, M. Ishmuratova, S. Toppet, W. Dehaen, A.A. Alsfolk, E.B. Elkaeed, I.H. Eissa, A.M. Metwaly*
"Isolation and In Silico Anti-SARS-CoV-2 Papain-Like Protease Potentialities of Two Rare 2-Phenoxychromone Derivatives from *Artemisia* spp"
Molecules, **2022**, *27*, 1216. (IF = 4.4)
8. R.D. Healey, E.M. Saied, X. Cong, G. Karsai, L. Gabellier, J. Saint Paul, E. Del Nero, S. Jeannot, M. Drapeau, S. Fontanel, D. Maurel, S. Basu, C. Leyrat, J. Golebiowski, G. Bossis, C. Bechara, T. Hornemann, C. Arenz, S. Granier*
"Discovery and mechanism of action of small molecule inhibitors of ceramidases"
Angew. Chem. Int. Ed. **2022**, *61*, e202109967. (IF = 15.3)
9. T. Wang, Z. Wang, L. de Fabritus, J. Tao, E.M. Saied, H-J Lee, B.R. Ramazanov, B. Jackson, D. Burkhardt, M. Parker, A.S. Gleinich, Z. Wang, D.E. Seo, T. Zhou, S. Xu, Irina Alecu, P. Azadi, C. Arenz, T. Hornemann, S. Krishnaswamy, S.A. van de Pavert, S.M. Kaech, N.B. Ivanova, F.R. Santori,
1-deoxysphingolipids bind to COUP-TF to modulate lymphatic and cardiac cell development,
Dev Cell, **2021**, *56*, 3128-3145 (IF = 12.2)
10. L.S. Kalinichenko, C. Mühle, N. Tay, T. Jia, F. Anderheiden, M. Datz, A-L. Eberle, V. Eulenburg, J. Granzow, M. Hofer, J. Hohenschild, S. Huber, S.

- Kämpf, G. Kogias, L. Lacatusu, C. Lugmaier, S. Mbu Taku, D. Meixner, N. Tesch, M. Preatner, C. Rhein, C. Sauer, J. Scholz, F. Ulrich, F. Valenta, E. Weigand, M. Werner, C.J. Mc Veigh, J. Haase, A-L. Wang, L. Abdel-Hafiz, J.P. Huston, I. Smaga, M. Frankowska, M. Filip, A. Lourdusamy, P. Kirchner, A.B. Ekici, L. Marx, N.P. Suresh, R. Frischknecht, A. Fejtova, E.M. Saied, C. Arenz, A. Bozec, I. Wank, S. Kreitz, A. Hess, T. Bäuerle, M.D. Ledesma, A.M Miranda, T.G. Oliveira, E. Gulbins, B. Lenz, G. Schumann, J. Kornhuber, C.P. Müller*
"Neutral sphingomyelinase mediates the comorbidity trias of alcohol abuse, major depression and bone defects"
Mol Psychiatry **2021**, *accepted*, MS No 2021MP000962RR. (IF = 12.3)
11. E. M. Saied and C.Arenz*
"Stereoselective Synthesis of Novel Sphingoid Bases Utilized for Exploring the Secrets of Sphinx"
Int J Mol Sci **2021**, *22*, 8171. DOI: 10.3390/ijms22158171. (IF = 5.9)
12. Z.H. Mohamed, C. Rhein, B. Schmid, P. Tripal, J. Kornhuber and C. Arenz*
"Synthesis and Characterization of a New Two Photon Excitable Acid Sphingomyelinase FRET Probe"
Bioorg Med Chem **2021**, *44*, 116303. (IF = 3.6)
13. G. Naseri*, K. Prause, H.H. Hamdo, C. Arenz
"Artificial transcription factors for tuneable gene expression in *Pichia pastoris*"
Front. Bioeng. Biotech. **2021**, DOI:10.3389/fbioe.2021.676900 (IF = 5.4)
14. T.C.B. Santos, E.M. Saied, C. Arenz, A. Fedorov, M. Prieto, L.C. Silva*
"The long chain base unsaturation has a stronger impact on 1-deoxy(methyl)-sphingolipid biophysical properties than the structure of its C1 functional group"
BBA - Biomembranes **2021**, *accepted*, BBAMEM-21-41R1.
15. M.J. McVey, S. Weidenfeld, M. Maishan, C. Spring, M. Kim, A. Tabuchi, V. Srbely, A. Takabe-French, S. Simmons, C. Arenz, J. W. Semple and W.M. Kuebler* "Platelet Extracellular Vesicles mediate Transfusion-related Acute Lung Injury by imbalancing the Sphingolipid Rheostat"
Blood **2020**, *accepted*, DOI: 10.1182/blood.2020005985 (IF = 17.5)

16. K. Prause, G. Naseri, F. Schumacher, C. Kappe, B. Kleuser and C. Arenz*
„A Photocaged Inhibitor of Acid Sphingomyelinase“
Chem. Commun. **2020**, 56, 14885–14888. (IF = 5.9)
17. D. Samaha, H.H. Hamdo, X. Cong, F. Schumacher, S. Banhart, Ö. Aglar, H. M. Möller, D. Heuer, B. Kleuser, E. M. Saied* and C. Arenz*
"A liposomal FRET assay identifies potent drug-like inhibitors of the ceramide transport protein CERT"
Chemistry –European J. **2020**, 26, 16616-16621. (IF = 4.8)
18. Y. Otsuka, M. V. Airola, Y. M. Choi, N. Coant, J. Snider, C. Cariello, E. M. Saied, C. Arenz, T. Bannister, R. Rahaim, Jr., Y. A. Hannun, J. Shumate, L. Scampavia, J. D. Haley, T. P. Spicer*
"Identification of Small-Molecule Inhibitors of Neutral Ceramidase (nCDase) via Target-Based High-Throughput Screening"
SLAS Discov. **2021**, 26, 113-121. (IF = 2.3)
19. M. A. Lone , A. J. Huelsmeier , E.M. Saied , G. Karsai , C. Arenz , A. von Eckardstein , T. Hornemann*
"Subunit composition of the mammalian serine-palmitoyltransferase defines the spectrum of straight and methyl-branched long-chain bases"
Proc. Natl. Acad. Sci. **2020**, 17, 15591-15598. (IF = 9.5)
20. T. C. B. Santos, A. Vaz, A. E. Ventura, E. M. Saied, C. Arenz, A. Fedorov, M. Prieto, L. C. Silva* "Canonical and 1-Deoxy(methyl) Sphingoid Bases: Tackling the Effect of the Lipid Structure on Membrane Biophysical Properties"
Langmuir **2020**, 36, 6007–6016. (IF = 3.6)
21. C. Kirschbaum, E.M. Saied, K. Greis, E. Mucha, S. Gewinner, W. Schöllkopf, G. Meijer, G. von Helden, B.L.J. Poad, S.J. Blanksby, C. Arenz* and K. Pagel*
"Resolving Sphingolipid Isomers using Cryogenic Infrared Spectroscopy"
Angew Chem **2020**, 132, 13740-13744. (IF = 12.4)
22. N. Loibl, C. Arenz* and O. Seitz* "Monitoring Dicer-mediated miRNA-21 maturation and Ago2 loading by a dual colour FIT PNA probe set"
ChemBioChem **2020**, 21, 2527-2532. (IF = 2.6)

23. E. Naser, S. Kadow, F. Schumacher, Z. H. Mohamed, C. Kappe, G. Hessler, B. Pollmeier, B. Kleuser, C. Arenz, K. A. Becker, E. Gulbins, A. Carpinteiro*
"Characterization of the small molecule ARC39, a direct and specific inhibitor of acid sphingomyelinase in vitro."
J. Lipid Res., **2020**, *61*, 896-910. (IF = 4.5)
24. C. Kappe, Z. H. Mohamed, E. Naser, A. Carpinteiro, C. Arenz*
"A novel visible range FRET probe for monitoring acid sphingomyelinase activity in living cells"
Chemistry – Eur J **2020**, *26*, 5780-5783. (IF = 5.2)
25. L. Laraia, G. Garivet, D. J. Foley, N. Kaiser, S. Müller, S. Zinken, T. Pinkert, J. Wilke, D. Corkery, A. Pahl, S. Sievers, P. Janning, C. Arenz, Y. Wu, R. Rodriguez, H. Waldmann*
"Image-based morphological profiling identifies a lysosomotropic, iron-sequestering autophagy inhibitor"
Angew. Chem. **2020**, *132*, 5770-5778. (IF = 12.4)
26. M. Boss and C. Arenz* "A Fast and Easy Method for Specific Detection of circRNA by Rolling Circle Amplification"
ChemBioChem **2020**, *21*, 793-796. (IF = 2.6)
27. D. Samaha, H.H. Hamdo, M. Wilde, K. Prause, C. Arenz*
"Sphingolipid transporting enzymes as cancer therapeutic targets (Review)"
Int J. Med Sci. (Molecular Oncology) **2019**, *20*, 3554. (IF = 4.2)
28. V. Živanovic, Seifert, Drescher, P. Schrade, S. Werner, P. Guttmann, G. P. Szekeres, S. Bachmann, G. Schneider, C. Arenz, J. Kneipp* "Optical Nanosensing of Lipid Accumulation due to Enzyme Inhibition in Live Cells"
ACS Nano. **2019**, *13*, 9363-9375. (IF = 13.9)
29. I. Vasiliauskaitė-Brooks, R. D. Healey, P. Rochaix, R. Sounier, C. Grison, T. Waltrich-Augusto, M. Fortier, F. Hoh, E.M. Saied, C. Arenz, S. Basu, C. Leyrat*, S. Granier* "Structure of a human intramembrane ceramidase explains enzymatic dysfunction found in leukodystrophy"
Nat. Commun. **2018**, *9*, 5437. (IF = 11.8)

30. V. Živanovic, Z. Kochovski, C. Arenz, Y. Lu, and J. Kneipp*
"SERS and Cryo-EM Directly Reveal Different Liposome Structures During Interaction with Gold Nanoparticles"
J Phys Chem Lett **2018**, *9*, 6767-6772. (IF = 7.3)
31. Z. H. Mohamed, T. Soukka, C. Arenz, M. Schäferling*
"Five-, four- and three-dentate europium chelates for anion sensing and their applicability to enzymatic dephosphorylation reactions"
Chemistry Select **2018**, *3*, 12430-12439. (IF = 1.7)
32. Z. Mohamed, C. Rhein, E. M. Saied, J. Kornhuber, C. Arenz*
"FRET probes for measuring sphingolipid metabolizing enzyme activity"
Chem Phys Lipids **2018**, *216*, 152-161. (IF = 2.7)
33. J. Ren, E. M. Saied, A. Zhong, C. Arenz, L. M. Obeid, Y. A. Hannun* "Tsc3 regulates SPT amino acid selectivity in yeast *S. cerevisiae* by promoting alanine incorporation into the sphingolipid pathway"
J. Lipid Res **2018**, *59*, 2126-2139. (IF = 4.4)
34. E. M. Saied, T. L.-S. Le, T. Hornemann and C. Arenz*
"Synthesis and Characterization of some Atypical Sphingoid Bases"
Bioorg Med Chem **2018**, *26*, 4047-4057. (IF = 2.9)
35. B. L. J. Poad*, A. T. Maccarone, H. Yu, T. W. Mitchell, E. M. Saied, C. Arenz, T. Hornemann, J. N. Bull, E. J. Bieske, S. J. Blanksby*
"Differential-mobility spectrometry of 1-deoxysphingosine isomers: new insights into the gas phase structures of ionized lipids"
Anal Chem **2018**, *90*, 5343–5351. (IF = 6.3)
36. V. Zivanovic, F. Madzharova, Z. Heiner, C. Arenz, J. Kneipp*
"Specific Interaction of Tricyclic Antidepressants With Gold and Silver Nanostructures as Revealed by Combined One and Two-Photon Vibrational Spectroscopy"
J. Phys. Chem. C **2017**, *121*, 22958-22968. (IF = 4.5)

37. L. Collenburg, N. Beyersdorf, C. Arenz, E. M. Saied, E. Avota, S. Schneider-Schaulies* "The activity of the neutral sphingomyelinase is important in T cell recruitment and directional migration"
Front. Immunol. **2017**, *8*, 1007. (IF = 5.6)

38. C. Arenz*
"Recent advances and novel treatments for sphingolipidoses (Review)"
Future Med Chem **2017**, *9*, 1687-1700. (IF = 3.7)

39. S. Koch-Edelmann, S. Banhart, E. M. Saied, L. Rose, L. Aeberhard, M. Laue, J. Doellinger, C. Arenz and D. Heuer*
"The cellular ceramide transport protein CERT promotes *Chlamydia psittaci* infection and controls bacterial sphingolipid uptake"
Cell Microbiol **2017**, *19*, e12752, doi: 110.1111/cmi.12752 (IF = 4.5)

40. I. Vasiliauskaitė-Brooks, R. Sounier, P. Rochaix, G. Bellot, M. Fortier, F. Hoh, L. De Colibus, C. Bechara, E.M. Saied, C. Arenz, C. Leyrat*, S. Granier*
"Structural insights into adiponectin receptors suggest ceramidase activity"
Nature **2017**, *544*, 120-123. (IF = 38.1)

41. M. McVey, M. Kim, A. Tabuchi, V. Srbely, L. Japtok, C. Arenz, O. Rotstein, B. Kleuser, J. Semple, W. Kuebler* "Acid sphingomyelinase mediates murine acute lung injury following transfusion of aged platelets"
Am J Physiol Lung Cell Mol Physiol. **2017**, doi:10.1152/ajplung.00317.2016 (IF = 4.7)

42. T. Pinkert, D. Furkert, T. Korte, A. Herrmann, C. Arenz* "Lipid-Water Partition-Amplified FRET Probe for Life-Cell Detection of Acid Sphingomyelinase"
Angew. Chem. **2017**, *129*, 2834–2838. (IF = 11.7)

43. M. Sharar, E.M. Saied, M. Corte, C. Arenz, M. Linscheid, M. Montes-Bayón*
"Elemental Labelling and Mass Spectrometry for the Specific Detection of Sulfenic Acid Groups in Model Peptides: A Proof of Concept"
Anal. Bioanal. Chem. **2017**, *409*, 2015-2027. (IF = 3.1)

44. I. Alecu, A. Othman, A. Penno, E.M. Saied, C. Arenz, A. von Eckardstein and T. Hornemann* "Cytotoxic 1-Deoxysphingolipids Are Metabolized by a

- Cytochrome P450-Dependent Pathway"
J. Lipid Res. **2017**, *58*, 60-71. (IF = 4.4)
45. J. Sosna, S. Philipp, J. Fuchslocher Chico, C. Saggau, J. Fritsch, A. Föll, J. Plenge, C. Arenz, T. Pinkert, H. Kalthoff, A. Trauzold, I. Schmitz, S. Schütze, D. Adam "Differences and similarities in TRAIL- and TNF-mediated necroptotic signaling in cancer cells"
Mol. Cell Biol. **2016**, *36*, 2626-44. (IF = 4.4)
46. R. Steiner*, E.M. Saied*, A. Othman, C. Arenz, A.T. Maccarone, B.L.J. Poad, S.J. Blanksby, A. von Eckardstein, T. Horneman* "Elucidating the chemical structure of native 1-deoxysphingosine"
J. Lipid Res. **2016**, *57*, 1194-1203. (IF = 4.4)
47. T. Kirkegaard, J. Gray, D.A. Priestman, K.-L. Wallom, J. Atkins, O.D. Olsen, A. Klein, S. Drndarski, L. Ingemann, C. Bornæs, S.H. Jørgensen, I. Williams, A. Hinsby, C. Arenz, D. Begley, M. Jäättelä, F.M. Platt "Heat shock protein–based therapy as a potential candidate for treating the sphingolipidoses"
Science Transl Med **2016**, *8*, 355RA118. (IF = 16.3)
48. M. Hesse and C. Arenz* "A rapid and versatile assay of Ago2-mediated cleavage using branched rolling circle amplification"
ChemBioChem **2016**, *17*, 304-307. (IF = 2.9)
49. E. M. Saied, C. Arenz* "Inhibitors of Ceramidases"
Chem Phys Lipids **2016**, 19760-68. (IF = 2.9)
50. E. M. Saied, S. Banhart, S. E. Bürkle, D. Heuer, C. Arenz* "A Series of Ceramide Analogues Modified at the 1-Position With Potent Activity Against the Intracellular Growth of *Chlamydia trachomatis*"
Future Med Chem **2015**, *7*, 1971-1980. (IF = 3.3)
51. C. Tabeling, H. Yu, L. Wang, H. Ranke, N. M. Goldenberg, D. Zabini, E. Noe, A. Krauszman, B. Gutbier, J. Yin, M. Schaefer, C. Arenz, A. C. Hocke, N. Suttorp, R. L. Proia, M. Witzernath, W. M. Kuebler* "CFTR and sphingolipids mediate hypoxic pulmonary vasoconstriction"
Proc Natl Acad Sci USA **2015**, *112*, E1614–E1623. (IF = 9.4)

52. N. Ogorodnikova and C. Arenz* "miRNAs as novel therapeutic targets and diagnostic biomarkers for Parkinson's disease: a patent evaluation of WO2014018650"
Expert Opin Ther Pat. **2015**, *25*, 723-727 (IF = 4.6)
53. M. Hesse and C. Arenz* "miRNAs as novel therapeutic targets and diagnostic biomarkers for Parkinson's disease: a patent evaluation of WO2014018650"
Expert Opin Ther Pat. **2014**, *11*, 1271-6. (IF = 4.6)
54. S. Banhart, E. M. Saied, A. Martini, S. Koch, L. Aeberhard, K. Madela, C. Arenz, and D. Heuer* "Improved plaque assay identifies a novel anti-Chlamydia ceramide derivative with altered intracellular localization"
Antimicrob. Agents Chemother **2014**, *58*, 5537-5546. (IF = 4.4)
55. E. M. Saied, C. Arenz* "Small Molecule Inhibitors of Ceramidases"
Cell Phys Biochem **2014**, *34*, 197-212. (IF = 4.6)
56. E. M. Saied, S. Diederich, C. Arenz* "Facile Synthesis of the CERT Inhibitor HPA-12 and Some Novel Derivatives"
Chem Asian J **2014**, *in press* DOI: 10.1002/asia.201402241. (IF = 4.6)
57. G. Schwarzmann*, C. Arenz*, K. Sandhoff*
"Labeled Chemical Biology Tools for Investigating Sphingolipid Metabolism, Trafficking and Interaction with Lipids and Proteins" (Review)
BBA - Molecular and Cell Biology of Lipids **2014**, *in press* (IF = 4.1)
58. S. Voigt, S. Philipp, P. Davarnia, S. Winoto-Morbach, C. Röder, C. Arenz, A. Trauzold, D. Kabelitz, S. Schütze, H. Kalthoff and D. Adam* "TRAIL-induced programmed necrosis as a novel approach to eliminate tumor cells",
BMC Cancer **2014**, *14*, 74. (IF = 3.3)
59. N. H. T. Petersen, O. D. Olsen, L. Groth-Pedersen, A. M. Ellegaard, M. Bilgin, S. Redmer, M. S. Ostefeld, D. Ulanet, T. H. Dovmark, A. Lønborg, S. D. Vindeløv, D. Hanahan, C. Arenz, C. S. Ejsing, T. Kirkegaard, M. Rhode, J. Nylandsted, M. Jäättelä*,
"Transformation-associated changes in sphingolipid metabolism sensitize cells to lysosomal cell death induced by inhibitors of acid sphingomyelinase"

- Cancer Cell* **2013**, *24*, 379-393. (IF = 26.6)
60. A. A. Bastian, E. M. Warszawik, P. Panduru, C. Arenz and A. Herrmann*
"Regioselective Diazo-Transfer Reaction at the C3-Position of the 2-Desoxystreptamine Ring of Neamine Antibiotics"
Chem Eur J **2013**, *19*, 9151-9154 (IF = 5.9)
61. K. P. Bhabak, A. Hauser, S. Redmer, S. Banhart, D. Heuer, C. Arenz*
"Development of a Novel FRET Probe for the Real-Time Determination of Ceramidase Activities"
ChemBioChem **2013**, *14*, 1049-1052 (IF = 3.8)
62. C. Schöniger, C. Arenz* "Perspectives in targeting miRNA function" (Review)
Bioorg. Med. Chem. **2013**, *21*, 6115-6118 (IF = 2.8)
63. C. M. Dojahn, M. Hesse, C. Arenz* "Chemo-enzymatic Approach to specifically click-modified RNA"
Chem. Commun. **2013**, *49*, 3128-3130. (IF = 6.2)
64. K. P. Bhabak, B. Kleuser, A. Huwiler, C. Arenz* "Effective Inhibition of Acid and Neutral Ceramidases by Novel B-13 and LCL-464 analogues"
Bioorg. Med. Chem. **2013**, *21*, 874-882. (IF = 2.8)
65. K. P. Bhabak, C. Arenz* „Novel Amide- and Sulfonamide-based Aromatic Ethanolamines: Effects of Various Substituents on the Inhibition of Acid and Neutral Ceramidases"
Bioorg. Med. Chem. **2012**, *20*, 6162-6170. (IF = 2.8)
66. K. P. Bhabak, D. Proksch, S. Redmer, C. Arenz* „Novel Fluorescent Ceramide Derivatives for Probing Ceramidase Substrate Specificity"
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67. R. Samapati, Y. Yang, J. Yin, C. Arenz, A. Dietrich, T. Gudermann, D. Adam, S. Wu, C. Stoerger, V. Flockerzi, S. Uhlig*, W. Kübler* „Regulation of lung vascular permeability by acid sphingomyelinase dependent activation of TRPC6",
Am J Respir Crit Care Med. **2012**, *185*, 160-170. (IF = 10.7)

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ChemBioChem, **2011**, *12*, 2302-2305. (IF = 3.8)
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Angew Chem. Int. Ed. **2010**, *49*, 3666-3670. (IF = 11.8)
72. C. Arenz*, Small-Molecule Inhibitors of Acid Sphingomyelinase (Review)
Cell. Phys. Biochem. **2010**, *26*, 1-8. (IF = 3.5)
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