

Publications David Peterhoff

Original Research

| # | Autors, title, journal | IF* |
|---|--|------|
| 1 | Barbey C, Su J, Billmeier M, Stefan N, Bester R, Protzer U, Breunig M, Wagner R*, Peterhoff D* <i>Immunogenicity of a silica nanoparticle-based SARS-CoV-2 vaccine in mice</i> Eur J Pharm Biopharm. 2023 Sep 27:S0939-6411(23)00258-8. https://doi.org/10.1016/j.ejpb.2023.09.015 | 4.9 |
| 2 | Vishwanath S, Carnell GW, Ferrari M, Asbach B, Billmeier M, George C, Sans MS, Nadesalingam A, Huang CQ, Paloniemi M, Stewart H, Chan A, Wells DA, Neckermann P, Peterhoff D , Einhauser S, Cantoni D, Neto MM, Jordan I, Sandig V, Tonks P, Temperton N, Frost S, Sohr K, Ballesteros MTL, Arbabi F, Geiger J, Dohmen C, Plank C, Kinsley R, Wagner R, Heeney JL. <i>A computationally designed antigen eliciting broad humoral responses against SARS-CoV-2 and related sarbecoviruses.</i> Nat Biomed Eng. 2023 Sep 25. https://doi.org/10.1038/s41551-023-01094-2 | 28.1 |
| 3 | Peterhoff D , Wiegrebe S, Einhauser S, Patt AJ, Beileke S, Günther F, Steininger P, Niller HH, Burkhardt R, Küchenhoff H, Gefeller O, Überla K, Heid IM, Wagner R <i>Population-based study of the durability of humoral immunity after SARS-CoV-2 infection</i> Front. Immunol. 2023 Sep 19 https://doi.org/10.3389/fimmu.2023.1242536 | 7.3 |
| 4 | Maliqi L, Friedrich N, Glögl M, Schmutz S, Schmidt D, Rusert P, Schanz M, Zaheri M, Pasin C, Niklaus C, Foulkes C, Reinberg T, Dreier B, Abela I, Peterhoff D , Hauser A, Kouyos RD, Günthard HF, van Gils MJ, Sanders RW, Wagner R, Plückthun A, Trkola A. <i>Assessing immunogenicity barriers of the HIV-1 envelope trimer.</i> NPJ Vaccines. 2023 Sep 30;8(1):148. https://doi.org/10.1038/s41541-023-00746-3 | 9.2 |
| 5 | Holzinger JM, Toelge M, Werner M, Ederer KU, Siegmund HI, Peterhoff D , Blaas SH, Gisch N, Brochhausen C, Gessner A, Bülow S. <i>Scorpionfish BPI is highly active against multiple drug-resistant Pseudomonas aeruginosa isolates from people with cystic fibrosis.</i> Elife. 2023 Jul 18;12:e86369. https://doi.org/10.7554/eLife.86369 | 7.7 |
| 6 | COVID-19 Host Genetics Initiative. <i>A second update on mapping the human genetic architecture of COVID-19.</i> Nature. 2023 Sep;621(7977):E7-E26. https://doi.org/10.1038/s41586-023-06355-3 | 64.8 |
| 7 | Streif S, Neckermann P, Spitzenberg C, Weiss K, Hoecherl K, Kulikowski K, Hahner S, Noelting C, Einhauser E, Peterhoff D , Asam C, Wagner R, Baeumner AJ <i>Liposome-based high-throughput and point-of-care assays toward the quick, simple, and sensitive detection of neutralizing antibodies against SARS-CoV-2 in patient sera.</i> Anal Bioanal Chem 415, 1421–1435 (2023). https://doi.org/10.1007/s00216-023-04548-3 | 4.3 |
| 8 | Carnell GW, Billmeier M, Vishwanath S, Suau Sans M, Wein H, George CL, Neckermann P, Del Rosario JMM, Sampson AT, Einhauser S, Aguinam ET, Ferrari M, Tonks P, Nadesalingam A, Schütz A, Huang CQ, Wells DA, Paloniemi M, Jordan I, Cantoni D, Peterhoff D , Asbach B, Sandig V, Temperton N, Kinsley R, Wagner R, Heeney JL. <i>Glycan masking of a non-neutralising epitope enhances neutralising antibodies targeting the RBD of SARS-CoV-2 and its variants.</i> Front Immunol. 2023 Feb 23;14:1118523. doi: 10.3389/fimmu.2023.1118523. PMID: 36911730; PMCID: PMC9995963. | 7.3 |

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|----|---|-------|
| 9 | Stanzick KJ, Simon J, Zimmermann ME, Schachtner M, Peterhoff D , Niller HH, Überla K, Wagner R, Heid IM, Stark KJ. <i>DNA extraction from clotted blood in genotyping quality.</i> Biotechniques. 2023 Jan;74(1):23-29. doi: 10.2144/btn-2022-0061. PMID: 36597257; PMCID: PMC9887531. | 2.7 |
| 10 | Monferrer A, Kohler F, Sigl C, Schachtner M, Peterhoff D , Asbach B, Wagner R, Dietz H. DNA origami traps for large viruses. Cell Reports Physical Science, https://doi.org/10.1016/j.xcrp.2022.101237 . | 8.9 |
| 11 | Günther F, Einhauser S, Peterhoff D , Wiegrebe S, Niller HH, Beileke S, Steininger P, Burkhardt R, Küchenhoff H, Gefeller O, Überla K, Heid IM, Wagner R. <i>Higher Infection Risk among Health Care Workers and Lower Risk among Smokers Persistent across SARS-CoV-2 Waves-Longitudinal Results from the Population-Based TiKoCo Seroprevalence Study.</i> Int J Environ Res Public Health. 2022 Dec 17;19(24):16996. doi: 10.3390/ijerph192416996. PMID: 36554876; PMCID: PMC9779618. | 3.2 |
| 12 | Bauernfeind S, Einhauser S, Tydykov L, Mader AL, Salzberger B, Hitzenbichler F, Mohr A, Burkhardt R, Wagner R, Peterhoff D . <i>Association between Adverse Reactions and Humoral Immune Response No Longer Detectable after BNT162b2 Booster Vaccination.</i> Vaccines (Basel). 2022 Sep 25;10(10):1608. doi: 10.3390/vaccines10101608 | 4.961 |
| 13 | Peterhoff D , Thalhauser S, Neckermann P, Barbey C, Straub K, Nazet J, Merkl R, Laengst G, Breunig M, Wagner R. <i>Multivalent display of engineered HIV-1 envelope trimers on silica nanoparticles for targeting and in vitro activation of germline VRC01 B cells.</i> Eur J Pharm Biopharm. 2022 Oct 19:S0939-6411(22)00234-X. doi: 10.1016/j.ejpb.2022.10.007 | 5.589 |
| 14 | Magnus CL, Hiergeist A, Schuster P, Rohrhofer A, Medenbach J, Gessner A, Peterhoff D* , Schmidt B*. <i>Targeted escape of SARS-CoV-2 in vitro from monoclonal antibody S309, the precursor of sotrovimab.</i> Front Immunol. 2022 Aug 24;13:966236. doi: 10.3389/fimmu.2022.966236 | 8.786 |
| 15 | Einhauser S, Peterhoff D , Beileke S, Günther F, Niller HH, Steininger P, Knöll A, Korn K, Berr M, Schütz A, Wiegrebe S, Stark KJ, Gessner A, Burkhardt R, Kabesch M, Schedl H, Küchenhoff H, Pfahlberg AB, Heid IM, Gefeller O, Überla K, Wagner R. <i>Time Trend in SARS-CoV-2 Seropositivity, Surveillance Detection- and Infection Fatality Ratio until Spring 2021 in the Tirschenreuth County-Results from a Population-Based Longitudinal Study in Germany.</i> Viruses. 2022 May 27;14(6):1168. doi: 10.3390/v14061168 | 5.818 |
| 16 | Glück V, Tydykov L, Mader AL, Warda AS, Bertok M, Weidlich T, Gottwald C, Köstler J, Salzberger B, Wagner R, Koller M, Gessner A, Schmidt B, Glück T, Peterhoff D <i>Humoral immunity in dually vaccinated SARS-CoV-2-naïve individuals and in booster-vaccinated COVID-19-convalescent subjects.</i> Infection (2022). doi: https://doi.org/10.1007/s15010-022-01817-8 | 3.553 |
| 17 | Mader AL, Tydykov L, Glück V, Bertok M, Weidlich T, Gottwald C, Steff A, Vogel M, Plentz A, Köstler J, Salzberger B, Wenzel JJ, Niller HH, Jantsch J, Wagner R, Schmidt B, Glück T, Gessner A, Peterhoff D . <i>Omicron's binding to Sotrovimab, Casirivimab, Imdevimab, CR3022, and sera from previously infected or vaccinated individuals.</i> iScience. 2022 Mar 14:104076. doi: 10.1016/j.isci.2022.104076. Epub ahead of print. PMID: 35309727; PMCID: PMC8920075 | 5.458 |
| 18 | Peterhoff D* , Einhauser S*, Beileke S*, Niller HH, Günther F, Schachtner M, Asbach B, Steininger P, Tenbusch M, Peter AS, Gessner A, Burkhardt R, Heid IM, Wagner R, Überla K. <i>Comparative Immunogenicity of COVID-19 Vaccines in a Population-Based Cohort Study with SARS-CoV-2-Infected and Uninfected Participants.</i> Vaccines (Basel). 2022 Feb 18;10(2):324. doi: 10.3390/vaccines10020324. PMID: 35214782; PMCID: PMC8875516. | 4.422 |

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| 19 | Bauswein M*, Peterhoff D* , Plentz A*, Hiergeist A, Wagner R, Gessner A, Salzberger B, Schmidt B, Bauernfeind S, <i>Increased neutralization of SARS-CoV-2 Delta variant after heterologous ChAdOx1 nCoV-19/BNT162b2 versus homologous BNT162b2 vaccination.</i> iScience, Volume 25, Issue 2, 2022. https://doi.org/10.1016/j.isci.2021.103694 . | 5.458 |
| 20 | Einhauser S*, Peterhoff D* , Niller HH, Beileke S, Günther F, Steininger P, Burkhardt R, Heid IM, Pfahlberg AB, Überla K, Gefeller O, Wagner R. <i>Spectrum Bias and Individual Strengths of SARS-CoV-2 Serological Tests-A Population-Based Evaluation.</i> Diagnostics (Basel). 2021 Oct 6;11(10):1843. https://doi.org/10.3390/diagnostics11101843 | 3.706 |
| 21 | Bauernfeind S, Salzberger B, Hitzenbichler F, Scigala K, Einhauser S, Wagner R, Gessner A, Koestler J*, Peterhoff D* . <i>Association between Reactogenicity and Immunogenicity after Vaccination with BNT162b2.</i> Vaccines. 2021; 9(10):1089. https://doi.org/10.3390/vaccines9101089 | 4.422 |
| 22 | Glück V, Grobecker S, Köstler J, Tydykov L, Bertok M, Weidlich T, Gottwald C, Salzberger B, Wagner R, Zeman F, Koller M, Gessner A, Schmidt B, Glück T, Peterhoff D . <i>Immunity after COVID-19 and vaccination: follow-up study over 1 year among medical personnel.</i> Infection. 2021 Sep 25:1–8. https://doi.org/10.1007/s15010-021-01703-9 | 3.553 |
| 23 | Hupf J, Burkhardt R, Gessner A, Maier-Stocker C, Zimmermann M, Hanses F*, Peterhoff D* . <i>Low incidence of SARS-CoV-2 infections in healthcare workers at a tertiary care hospital: Results of a prospective serological cohort study of the first and second COVID-19 pandemic wave</i> Med Klin Intensivmed Notfmed. 2022 Jan 3. doi: 10.1007/s00063-021-00890-5 | 1.025 |
| 24 | Laub O, Leipold G, Toncheva AA, Peterhoff D , Einhauser S, Neckermann P, Borchers N, Santos-Valente E, Kheiroddin P, Buntrock-Döpke H, Laub S, Schöberl P, Schweiger-Kabesch A, Ewald D, Horn M, Niggel J, Ambrosch A, Überla K, Gerling S, Brandstetter S, Wagner R, Kabesch M, Corona Virus Antibodies in Children from Bavaria (CoKiBa) Study Group Aichholzer B, Mair G, Wruk M, Reischl I, Antos D, von Koskull S, Becker C, Beer E, Schirmer H, Birkingner G, Blueml A, Castrop M, Dieckerhoff J, Eichhorn R, Ewald D, Fleck G, Heihoff A, Geuder J, Grombach J, Gutdeutsch P, Segerer F, Habash T, Habash S, Harner S, Herbst C, Heuschmann D, Hofmann M, Horn M, Jork-Kaferlein B, Schwarz M, Hopfner R, Judex G, Baumgartner B, Corbacioglu M, Lindner S, Meinel B, Bauer A, Löw H, Szulagyi-Kovacs A, Kabesch M, Klein A, Koering C, Landvogt N, Soehngen C, Rasp K, Schick-Niedermeier G, Laub M, Laub O, Leipold G, Schmid-Seibold P, Pawlak J, Reitz M, Puchner G, Razeghi C, Razeghi S, Rehe C, Rehe K, Scheffel M, Kaesbauer L, Schmid R, Strobel M, Schoetzau N, Senjor M, Sperlich M, Theuerer G, Steidle G, Tretter G, von Arnim V, Volz-Fleckenstein M, 2021. <i>Symptoms, SARS-CoV-2 Antibodies, and Neutralization Capacity in a Cross Sectional-Population of German Children.</i> Frontiers in Pediatrics 9, 993. https://doi.org/10.3389/fped.2021.678937 | 3.418 |
| 25 | Buder F, Bauswein M, Magnus CL, Audebert F, Lang H, Kundel C, Distler K, Reuschel E, Lubnow M, Müller T, Lutz D, Graf B, Schmid S, Müller M, Poeck H, Hanses F, Salzberger B, Peterhoff D , Wenzel JJ, Schmidt B, Lampl BMJ. <i>SARS-CoV-2 infectivity correlates with high viral loads and detection of viral antigen and is terminated by seroconversion.</i> J Infect Dis. 2021 Aug 24;jjab415. https://doi.org/10.1093/infdis/jjab415 | 5.022 |
| 26 | Hauser A, Carnell G, Held K, Sulbaran G, Tischbierek N, Rogers L, Pollakis G, Tonks P, Hoelscher M, Ding S, Sanders RW, Geldmacher C, Sattentau Q, Weissenhorn W, Heeney JL, Peterhoff D , Wagner R. <i>Stepwise Conformational Stabilization of a HIV-1 Clade C Consensus Envelope Trimer Immunogen Impacts the Profile of Vaccine-Induced Antibody Responses.</i> Vaccines. 2021; 9(7):750. https://doi.org/10.3390/vaccines9070750 | 4.422 |

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|----|---|-------|
| 27 | Peter AS, Roth E, Schulz SR, Fraedrich K, Steinmetz T, Damm D, Hauke M, Richel E, Mueller-Schmucker S, Habenicht K, Eberlein V, Issmail L, Uhlig N, Dolles S, Grüner E, Peterhoff D , Ciesek S, Hoffmann M, Pöhlmann S, McKay PF, Shattock RJ, Wölfel R, Socher E, Wagner R, Eichler J, Sticht H, Schuh W, Neipel F, Ensser A, Mielenz D, Tenbusch M, Winkler TH, Grunwald T, Überla K, Jäck HM. <i>A pair of noncompeting neutralizing human monoclonal antibodies protecting from disease in a SARS-CoV-2 infection model.</i> Eur J Immunol. 2021 Aug 6:10.1002/eji.202149374. https://doi.org/10.1002/eji.202149374 | 5.532 |
| 28 | Peterhoff D , Thalhauser S, Sobczak JM, Mohsen MO, Voigt C, Seifert N, Neckermann P, Hauser A, Ding S, Sattentau Q, Bachmann MF, Breunig M, Wagner R. <i>Augmenting the Immune Response against a Stabilized HIV-1 Clade C Envelope Trimer by Silica Nanoparticle Delivery.</i> Vaccines. 2021; 9(6):642. https://doi.org/10.3390/vaccines9060642 | 4.422 |
| 29 | Wagner R, Peterhoff D , Beileke S, Günther F, Berr M, Einhauser S, Schütz A, Niller HH, Steininger P, Knöll A, Tenbusch M, Maier C, Korn K, Stark KJ, Gessner A, Burkhardt R, Kabesch M, Schedl H, Küchenhoff H, Pfahlberg AB, Heid IM, Gefeller O, Überla K. <i>Estimates and Determinants of SARS-Cov-2 Seroprevalence and Infection Fatality Ratio Using Latent Class Analysis: The Population-Based Tirschenreuth Study in the Hardest-Hit German County in Spring 2020.</i> Viruses. 2021; 13(6):1118. https://doi.org/10.3390/v13061118 | 5.048 |
| 30 | Lainšček D, Fink T, Forstnerič V, Hafner-Bratkovič I, Orehek S, Strmšek Ž, Manček-Keber M, Pečan P, Esih H, Malenšek Š, Aupič J, Dekleva P, Plaper T, Vidmar S, Kadunc L, Benčina M, Omersa N, Anderluh G, Pojer F, Lau K, Hacker D, Correia BE, Peterhoff D , Wagner R, Bergant V, Herrmann A, Pichlmair A, Jerala R. <i>A Nanoscaffolded Spike-RBD Vaccine Provides Protection against SARS-CoV-2 with Minimal Anti-Scaffold Response</i> Vaccines (Basel). 2021 Apr 27;9(5):431. https://doi.org/10.3390/vaccines9050431 | 4.422 |
| 31 | Werner M, Pervan P, Glück V, Zeman F, Koller M, Burkhardt R, Glück T, Wenzel JJ, Schmidt B, Gessner A, Peterhoff D . <i>Evaluation of a Broad Panel of SARS-CoV-2 Serological Tests for Diagnostic Use.</i> J Clin Med. 2021 Apr 8;10(8):1580. https://doi.org/10.3390/jcm10081580 | 4.241 |
| 32 | Geis T, Brandstetter S, Toncheva AA, Laub O, Leipold G, Wagner R, Kabesch M, Kasser S, Kuhle J, Wellmann S; CoKiBa Study group . <i>Serum neurofilament light chain (sNfL) values in a large cross-sectional population of children with asymptomatic to moderate COVID-19</i> J Neurol. 2021 Apr 23:1-6. https://doi.org/10.1007/s00415-021-10554-1 | 3.956 |
| 33 | Glück V, Grobecker S, Tydykov L, Salzberger B, Glück T, Weidlich T, Bertok M, Gottwald C, Wenzel JJ, Gessner A, Schmidt B, Peterhoff D . <i>SARS-CoV-2-directed antibodies persist for more than six months in a cohort with mild to moderate COVID-19</i> Infection. 2021 Mar 10:1-8. https://doi.org/10.1007/s15010-021-01598-6 | 3.553 |
| 34 | Dreier E, Malfertheiner MV, Dienemann T, Fisser C, Foltan M, Geismann F, Graf B, Lunz D, Maier LS, Müller T, Offner R, Peterhoff D , Philipp A, Salzberger B, Schmidt B, Sinner B, Lubnow M. <i>ECMO in COVID-19-prolonged therapy needed? A retrospective analysis of outcome and prognostic factors</i> Perfusion. 2021 Feb 20:267659121995997. https://doi.org/10.1177/0267659121995997 | 1.972 |
| 35 | Lubnow M, Schmidt B, Fleck M, Salzberger B, Müller T, Peschel G, Schneckenpointner R, Lange T, Hitzenbichler F, Kieninger M, Lunz D, Graf B, Brochhausen C, Weber F, Lücke F, Peterhoff D , Schuster P, Hiergeist A, Offner R, Hehr U, Wallner S, Hanses F, Schmid S, Weigand K, Geismann F, Poeck H, Pukrop T, Evert M, Gessner A, Burkhardt R, Herr W, Maier LS, Heudobler D. <i>Secondary hemophagocytic lymphohistiocytosis and severe liver injury induced by hepatic SARS-CoV-2 infection unmasking Wilson's disease: Balancing immunosuppression.</i> Int J Infect Dis. 2021 Jan 4;103:624-627. https://doi.org/10.1016/j.ijid.2020.12.047 | 3.623 |

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|----|---|--------|
| 36 | Hähnel V, Peterhoff D , Bäuerlein V, Brosig AM, Pamler I, Johnson C, Bica A, Totir M, Ossner T, Stemmer B, Toelge M, Schütz A, Niller HH, Schmidt B, Wagner R, Gessner A, Burkhard R, Offner R. <i>Manufacturing of convalescent plasma of COVID-19 patients: Aspects of quality.</i> PLoS One. 2020 Dec 22;15(12):e0243967. https://doi.org/10.1371/journal.pone.0243967 | 3.240 |
| 37 | Thalhauser S, Peterhoff D , Wagner R, Breunig M. <i>Silica particles incorporated into PLGA-based in situ-forming implants exploit the dual advantage of sustained release and particulate delivery.</i> Eur J Pharm Biopharm. 2020 Nov;156:1-10. https://doi.org/10.1016/j.ejpb.2020.08.020 | 5.571 |
| 38 | Peterhoff D , Glück V, Vogel M, Schuster P, Schütz A, Neubert P, Albert V, Frisch S, Kiessling M, Pervan P, Werner M, Ritter N, Babl L, Deichner M, Hanses F, Lubnow M, Müller T, Lunz D, Hitzenbichler F, Audebert F, Hähnel V, Offner R, Müller M, Schmid S, Burkhardt R, Glück T, Koller M, Niller HH, Graf B, Salzberger B, Wenzel JJ, Jantsch J, Gessner A, Schmidt B, Wagner R. <i>A highly specific and sensitive serological assay detects SARS-CoV-2 antibody levels in COVID-19 patients that correlate with neutralization.</i> Infection. 2020 Aug 21:1–8. https://doi.org/10.1007/s15010-020-01503-7 | 5.2 |
| 39 | Perdiguero B, Gómez CE, García-Arriaza J, Sánchez-Corzo C, Sorzano CÓS, Wilmschen S, von Laer D, Asbach B, Schmalzl C, Peterhoff D , Ding S, Wagner R, Kimpel J, Levy Y, Pantaleo G, Esteban M. <i>Heterologous Combination of VSV-GP and NYVAC Vectors Expressing HIV-1 Trimeric gp145 Env as Vaccination Strategy to Induce Balanced B and T Cell Immune Responses.</i> Front Immunol. 2019 Dec 18;10:2941. https://doi.org/10.3389/fimmu.2019.02941 | 7.3 |
| 40 | Thalhauser S, Peterhoff D , Wagner R, Breunig M. <i>Presentation of HIV-1 Envelope Trimers on the Surface of Silica Nanoparticles.</i> J Pharm Sci. 2020 Jan;109(1):911-921. doi: https://doi.org/10.1016/j.xphs.2019.10.059 | 3.8 |
| 41 | Nadai Y, Held K, Joseph S, Ahmed MIM, Hoffmann VS, Peterhoff D , Missanga M, Bauer A, Joachim A, Reimer U, Zerweck J, McCormack S, Cope AV, Tatoud R, Shattock RJ, Robb ML, Sandstroem EG, Hoelscher M, Maboko L, Bakari M, Kroidl A, Wagner R, Weber J, Pollakis G, Geldmacher C. <i>Envelope-Specific Recognition Patterns of HIV Vaccine-Induced IgG Antibodies Are Linked to Immunogen Structure and Sequence.</i> Front Immunol. 2019 Apr 24;10:717 https://doi.org/10.3389/fimmu.2019.00717 | 7.3 |
| 42 | Schmitt S, Montalbán-López M, Peterhoff D , Deng J, Wagner R, Held M, Kuipers OP, Panke S. <i>Analysis of modular bioengineered antimicrobial lanthipeptides at nanoliter scale.</i> Nat Chem Biol. 2019 May;15(5):437-443. https://doi.org/10.1038/s41589-019-0250-5 | 15.040 |
| 43 | Bartholomae M, Baumann T, Nickling JH, Peterhoff D , Wagner R, Budisa N, Kuipers OP. <i>Expanding the Genetic Code of Lactococcus lactis and Escherichia coli to Incorporate Non-canonical Amino Acids for Production of Modified Lantibiotics.</i> Front Microbiol. 2018 Apr 6;9:657. https://doi.org/10.3389/fmicb.2018.00657 | 5.640 |
| 44 | Bruun TH, Grassmann V, Zimmer B, Asbach B, Peterhoff D , Kliche A, Wagner R. <i>Mammalian cell surface display for monoclonal antibody-based FACS selection of viral envelope proteins.</i> MAbs. 2017 Oct;9(7):1052-1064. https://doi.org/10.1080/19420862.2017 | 5.857 |
| 45 | Linde M, Peterhoff D , Sterner R, Babinger P. <i>Identification and Characterization of Heptaprenylglyceryl Phosphate Processing Enzymes in Bacillus subtilis.</i> J Biol Chem. 2016 Jul 8;291(28):14861-70. https://doi.org/10.1074/jbc.M115.711994 | 5.157 |
| 46 | Peterhoff D , Beer B, Rajendran C, Kumpula EP, Kapetaniou E, Guldan H, Wierenga RK, Sterner R, Babinger P. <i>A comprehensive analysis of the geranylgeranylglyceryl phosphate synthase enzyme family identifies novel members and reveals mechanisms of substrate specificity and quaternary structure organization.</i> Mol Microbiol. 2014 May;92(4):885-99. https://doi.org/10.1111/mmi.12596 | 3.501 |

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|----|---|-------|
| 47 | Peterhoff D , Zellner H, Guldán H, Merkl R, Sterner R, Babinger P. <i>Dimerization determines substrate specificity of a bacterial prenyltransferase.</i> Chembiochem. 2012 Jun 18;13(9):1297-303. https://doi.org/10.1002/cbic.201200127 | 3.164 |
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* IF: Impact factors of the year of publication or of the previous available year

Reviews, Books

| # | Autors, titles, journal | IF* |
|---|---|-------|
| 1 | Peterhoff D <i>New case of HIV cure: joined forces of haploidentical stem cells and HLA-mismatched cord blood</i> Signal Transduct Target Ther. 2023 Jun 16;8(1):241. https://doi.org/10.1038/s41392-023-01514-4 | 38.12 |
| 2 | Thalhauser S*, Peterhoff D* , Wagner R, Breunig M. <i>Critical design criteria for engineering a nanoparticulate HIV-1 vaccine.</i> J Control Release. 2020 Jan 10;317:322-335. https://doi.org/10.1016/j.jconrel.2019.11.035 | 9.776 |
| 3 | Peterhoff D , Wagner R. <i>Guiding the long way to broad HIV neutralization.</i> Curr Opin HIV AIDS. 2017 May;12(3):257-264. https://doi.org/10.1097/COH.0000000000000356 | 4.283 |
| 4 | Benedikt Asbach, David Peterhoff , Ralf Wagner <i>35 Jahre HIV - Ist ein Ende der Pandemie in Sicht?</i> Blick in die Wissenschaft, Bd. 28 Nr. 40 (2019), https://doi.org/10.5283/bidw.v28i40 | - |
| 5 | Schmidt M. (ed.) <i>The Art of Antibiotics: Two residencies. Two artists. Two labs.</i> Morawa, Vienna, 2018, ISBN-10 : 3990579916 | - |

* IF: Impact factors of the year of publication or of the previous available year