

Publikationsliste

Prof. Dr. med. Andreas Rembert Koczulla

Publikationen 2020

1. SARS-CoV-2 infection in two patients following recent lung transplantation
Koczulla AR, Szczepanski B, Koteczki A, Kuhnert S, Hecker M, Askevold I, Schneider C, Michel S, Kneidinger N American Journal of Transplantation (in press) **(IF: 7.1)**
2. Increased asthma control after a 3-week inpatient pulmonary rehabilitation program.
Schneeberger T, Jarosch I, Moll J, Gloeckl R, Boensch M, Hitzl W, Idzko M, Taube C, Kenn K, **Koczulla AR**. Respir Med. 2020 Apr - May;165:105930. doi: 10.1016/j.rmed.2020.105930. Epub 2020 Mar 8. No abstract available. **(IF: 3.2)**
3. van Bragt JJMH, Adcock IM, Bel EHD, Braunstahl GJ, Ten Brinke A, Busby J, Canonica GW, Cao H, Chung KF, Csoma Z, Dahlén B, Davin E, Hansen S, Heffler E, Horvath I, Korn S, Kots M, Kuna P, Kwon N, Louis R, Plaza V, Porsbjerg C, Ramos-Barbon D, Richards LB, Škrgat S, Sont JK, Vijverberg SJH, Weersink EJM, Yasinska V, Wagers SS, Djukanovic R, Maitland-van der Zee AH; SHARP Clinical Research Collaboration; Members of the SHARP Clinical Research Collaboration are.
Eur Respir J. 2020 Jan 9;55(1). pii: 1901163. doi: 10.1183/13993003.01163-2019. Print 2020 Jan. **(IF: 12,24)**
4. Surface Proteome of Plasma Extracellular Vesicles as Biomarkers for Pneumonia and Acute Exacerbation of Chronic Obstructive Pulmonary Disease.
Jung AL, Møller Jørgensen M, Bæk R, Griss K, Han M, Auf Dem Brinke K, Timmesfeld N, Bertrams W, Greulich T, **Koczulla R**, Hippenstiel S, Suttorp N, Schmeck B J Infect Dis. 2020 Jan 2;221(2):325-335. doi: 10.1093/infdis/jiz460. **(IF: 5.18)**

Publikationen 2019

5. Improvements in functional and cognitive status following short-term pulmonary rehabilitation in COPD lung transplant recipients: a pilot study.
Andrianopoulos V, Gloeckl R, Boensch M, Hoster K, Schneeberger T, Jarosch I, **Koczulla RA**, Kenn K. *ERJ Open Res.* 2019 Sep 16;5(3). pii: 00060-2019. doi: 10.1183/23120541.00060-2019. ECollection 2019 Jul. **(IF: 3.35)**
6. [Expert Workshop COPD: Lungs and Heart - Quite Often III Together].
Jany B, Bals R, Dreher M, Held M, Jany L, Rembert **Koczulla A**, Pfeifer M, Randerath W, Watz H, Wilkens H, Steinkamp G.
Pneumologie. 2019 Nov;73(11):651-669. doi: 10.1055/a-0914-9566. Epub 2019 Sep 9. German. **(IF: 0.84)**
7. Anti-interleukin-5 therapy (mepolizumab) in life-threatening asthma attack: A case-based discussion. Tello K, Hoffmann A, Beutel B, Greulich T, Vogelmeier CF, Richter MJ, Kuhnert S, Bösel T, Alter P, Holland A, Idzko M, Buhl R, **Koczulla AR**. *Respir Med Case Rep.* 2019 Aug 22;28:100927. doi: 10.1016/j.rmcr.2019.100927. eCollection 2019. **(IF: 0.42)**
8. Comparison of supplemental oxygen delivery by continuous versus demand based flow systems in hypoxic COPD patients - A randomized, single-blinded cross-over study. Gloeckl R, Jarosch I, Schneeberger T, Fiedler C, Lausen M, Weingaertner J, Hitzl W, Kenn K, **Koczulla AR** *Respir Med.* 2019 Sep;156:26-32. doi: 10.1016/j.rmed.2019.08.001. Epub 2019 Aug 5. **(IF: 3.7)**
9. TMPRSS2 Is the Major Activating Protease of Influenza A Virus in Primary Human Airway Cells and Influenza B Virus in Human Type II Pneumocytes.
Limburg H, Harbig A, Bestle D, Stein DA, Moulton HM, Jaeger J, Janga H, Hardes K, Koepke J, Schulte L, **Koczulla AR**, Schmeck B, Klenk HD, Böttcher-Friebertshäuser E. *J Virol.* 2019 Oct 15;93(21). pii: e00649-19. doi: 10.1128/JVI.00649-19. Print 2019 Nov 1. **(IF: 4.32)**
10. Management of patients with multidrug-resistant tuberculosis.
Lange C, Aarnoutse RE, Alffenaar JWC, Bothamley G, Brinkmann F, Costa J, Chesov D, van Crevel R, Dedicoat M, Dominguez J, Duarte R, Grobber HP, Günther G, Guglielmetti L, Heyckendorf J, Kay AW, Kirakosyan O, Kirk O, **Koczulla RA**, Kudriashov GG, Kuksa L, van Leth F, Magis-Escurra C, Mandalakas AM, Molina-Moya B, Peloquin CA, Reimann M, Rumetshofer R, Schaaf HS, Schön T, Tiberi S, Valda J, Yablonskii PK, Dheda K.
Int J Tuberc Lung Dis. 2019 Jun 1;23(6):645-662. doi: 10.5588/ijtld.18.0622. **(IF: 1.26)**
11. VOC pattern recognition of lung cancer: a comparative evaluation of different dog- and eNose-based strategies using different sampling materials.
Biehl W, Hattesohl A, Jörres RA, Duell T, Althöhn U, **Rembert Koczulla A**, Schmetzer H. *Acta Oncol.* 2019 Jul 16:1-9. doi: 10.1080/0284186X.2019.1634284. **(IF: 3.29)**
12. Analysis of Human Breath by Millimeter-Wave/Terahertz Spectroscopy.
Rothbart N, Holz O, **Koczulla R**, Schmalz K, Hübers HW.
Sensors (Basel). 2019 Jun 17;19(12). pii: E2719. **(IF: 3.03)**

13. In Reply.
Koczulla AR.
Dtsch Arztebl Int. 2019 Apr 19;116(16):287-288. **(IF: 4,46)**
14. Liver Fibrosis and Metabolic Alterations in Adults with Alpha1 Antitrypsin Deficiency Caused by the Pi*ZZ Mutation. Hamesch K, Mandorfer M, Pereira VM, Moeller LS, Pons M, Dolman GE, Reichert MC, Heimes CV, Woditsch V, Voss J, Lindhauer C, Fromme M, Spivak I, Guldiken N, Zhou B, Arslanow A, Schaefer B, Zoller H, Aigner E, Reiberger T, Wetzel M, Siegmund B, Simões C, Gaspar R, Maia L, Costa D, Bento-Miranda M, van Helden J, Yagmur E, Bzdok D, Stolk J, Gleiber W, Knipel V, Windisch W, Mahadeva R, Bals R, **Koczulla R**, Barrecheguren M, Miravitles M, Janciauskiene S, Stickel F, Lammert F, Liberal R, Genesca J, Griffiths WJ, Trauner M, Krag A, Trautwein C, Strnad P; European Alpha1-Liver Study Group. Gastroenterology. 2019 May 20. pii: S0016-5085(19)40894-9. **(IF: 19.23)**
15. [Digital Health in Respiratory Medicine - Current Status].
Dreher M, Jany B, Nilius G, Woehrle H, **Koczulla R.**
Dtsch Med Wochenschr. 2019 Apr;144(7):457-462. **(IF: 0.63)**
16. COPD: Rethinking Patient Management - How to Approach a Challenging Patient Group Successfully. Jany BH, Bals R, Buhr-Schinner H, Dreher M, **Koczulla AR**, Jany L, Meyer A, Randerath W. Respiration. 2019;97(4):363-368. doi: 10.1159/000493759. Epub 2019 Mar 15. Review. **(IF: 2.93)**
17. [Easy come, easy go? Current strategies for maintaining the effects of pulmonary rehabilitation in COPD patients]. Spielmanns M, Ruprecht M, Schmid-Mohler G, **Koczulla AR**, Boeselt T. Ther Umsch. 2019;76(8):433-440. doi: 10.1024/0040-5930/a001118. Review. German. **(IF: 0.05)**
18. Measuring Sleep Quality and Efficiency With an Activity Monitoring Device in Comparison to Polysomnography.
Spielmanns M, Bost D, Windisch W, Alter P, Greulich T, Nell C, Storre JH, **Koczulla AR**, Boeselt T. J Clin Med Res. 2019 Dec;11(12):825-833. doi: 10.14740/jocmr4026. Epub 2019 Nov 24. **(IF: 0.14)**
19. The association of cognitive functioning as measured by the DemTect with functional and clinical characteristics of COPD: results from the COSYCONET cohort.
von Siemens SM, Perneczky R, Vogelmeier CF, Behr J, Kauffmann-Guerrero D, Alter P, Trudzinski FC, Bals R, Grohé C, Söhler S, Waschki B, Lutter JI, Welte T, Jörres RA, Kahnert K; COSYCONET study group. Respir Res. 2019 Nov 14;20(1):257. doi: 10.1186/s12931-019-1217-5. **(IF: 4.1)**
20. [Exercise Training in Patients with Pulmonary Hypertension: A Systematic Review and Meta-analysis]. Glöckl R, Schneeberger T, Boeselt T, Kenn K, **Koczulla AR**, Held M, Oberhoffer R, Halle M. Pneumologie. 2019 Nov;73(11):677-685. doi: 10.1055/a-1005-8678. Epub 2019 Nov 12. German. **(IF: 0.84)**
21. Sleep and rheumatic diseases.
Boeselt T, **Koczulla R**, Nell C, Beutel B, Guenter K, Cassel W, Hildebrandt O, Koehler U, Kroenig J. Best Pract Res Clin Rheumatol. 2019 Jun;33(3):101434. doi: 10.1016/j.bepr.2019.101434. Epub 2019 Sep 11. Review. **(IF: 3.01)**

22. [Working Conditions and Quality of Specialized Training in Respiratory Medicine in Germany - Status quo, Challenges and Perspectives].
Bahmer T, Wälscher J, Fisser C, Kreuter M, Karg O, Böing S, **Koczulla R**, Raspe M. Pneumologie. 2019 Oct;73(10):578-581. doi: 10.1055/a-1010-2863. Epub 2019 Oct 17. German. No (**IF: 0.84**)
23. Comparison of continuous flow versus demand oxygen delivery systems in patients with COPD: A systematic review and meta-analysis. Gloeckl R, Osadnik C, Bies L, Leitl D, **Koczulla AR**, Kenn K. Respirology. 2019 Apr;24(4):329-337. (**IF: 4.7**)
24. High-pressure non-invasive ventilation during exercise in COPD patients with chronic hypercapnic respiratory failure: A randomized, controlled, cross-over trial.
Gloeckl R, Andrianopoulos V, Stegemann A, Oversohl J, Schneeberger T, Schoenheit-Kenn U, Hitzl W, Dreher M, **Koczulla AR**, Kenn K Respirology. 2019 Mar;24(3):254-261. (**IF: 4.7**)

Publikationen 2018

25. Long-Term Oxygen Therapy. **Koczulla** AR, Schneeberger T, Jarosch I, Kenn K, Gloeckl R. *Dtsch Arztebl Int.* 2018 Dec 24;115(51-52):871-877. **(IF: 4.46)**
26. Longitudinal stability of blood eosinophil count strata in the COPD COSYCONET cohort. Greulich T, Mager S, Lucke T, **Koczulla** AR, Bals R, Fähndrich S, Jörres RA, Alter P, Kirste A, Vogelmeier CF, Watz H. *Int J Chron Obstruct Pulmon Dis.* 2018 Sep 28;13:2999-3002. **(IF: 1.25)**
27. α 1-antitrypsin mitigates NLRP3-inflammasome activation in amyloid β_{1-42} -stimulated murine astrocytes. Ebrahimi T, Rust M, Kaiser SN, Slowik A, Beyer C, **Koczulla** AR, Schulz JB, Habib P, Bac JP. *J Neuroinflammation.* 2018 Sep 27;15(1):282. **(IF: 5.7)**
28. [Inhaled Triple Therapy in Severe Chronic Obstructive Pulmonary Disease (COPD)]. Gillissen A, Paparoupa M, Frings D, Atique B, **Koczulla** R. *Pneumologie.* 2018 Dec;72(12):832-842. **(IF: 0.84)**
29. [Expert Meeting: Integrated Care of the COPD Patients]. Jany B, Bals R, Buhr-Schinner H, Dreher M, **Koczulla** R, Jany L, Meyer A, Randerath W, Steinkamp G. *Pneumologie.* 2018 Sep;72(9):624-640. **(IF: 0.84)**
30. Cerebral oxygen availability during exercise in COPD patients with cognitive impairment. Andrianopoulos V, Vogiatzis I, Gloeckl R, Bals R, **Koczulla** RA, Kenn K. *Respir Physiol Neurobiol.* 2018 Aug;254:64-72. doi: 10.1016/j.resp.2018.05.001. Epub 2018 May 2. **(IF: 1.58)**
31. Ondine's curse and temporal lobe seizures: anti-Hu- and Zic4-associated paraneoplastic brainstem and limbic encephalitis. Kay L, Bauer S, **Koczulla** AR, Librizzi D, Vadasz D, Knake S, Rosenow F, Strzelczyk A. *Eur J Neurol.* 2018 May;25(5):e59-e60. doi: 10.1111/ene.13629. No abstract available. **(IF: 4.38)**
32. Alpha 1 antitrypsin to treat lung disease in alpha 1 antitrypsin deficiency: recent developments and clinical implications. Chapman KR, Chorostowska-Wynimko J, **Koczulla** AR, Ferrarotti I, McElvaney NG. *Int J Chron Obstruct Pulmon Dis.* 2018 Jan 31;13:419-432. doi: 10.2147/COPD.S149429. eCollection 2018. Review. **(IF: 1.25)**
33. Non-invasive Detection of Bladder Tumors Through Volatile Organic Compounds: A Pilot Study with an Electronic Nose. Heers H, Gut JM, Hegele A, Hofmann R, Boeselt T, Hattesohl A, **Koczulla** AR. *Anticancer Res.* 2018 Feb;38(2):833-837. **(IF: 1.93)**

Publikationen 2017

34. Greulich T, Weist BJD, **Koczulla** AR, Janciauskiene S, Klemmer A, Lux W, Alter P, Vogelmeier CF. Prevalence of comorbidities in COPD patients by disease severity in a German population. *Respir Med.* 2017 Nov;132:132-138. doi: 10.1016/j.rmed.2017.10.007. Epub 2017 Oct 12. **(IF: 3.2)**
35. Jarosch I, Hitzl W, **Koczulla** AR, Wencker M, Welte T, Gloeckl R, Janciauskiene S, Kenn K. Comparison of exercise training responses in COPD patients with and without Alpha-1 antitrypsin deficiency. *Respir Med.* 2017 Sep;130:98-101. doi: 10.1016/j.rmed.2017.07.009. Epub 2017 Jul 15. **(IF: 3.2)**
36. Spielmanns M, Boeselt T, Nell C, Eckhoff J, **Koczulla** RA, Magnet FS, Storre JH, Windisch W, Baum K. Effect of Pulmonary Rehabilitation on Inspiratory Capacity During 6-min Walk Test in Patients With COPD: A PROSPECTIVE CONTROLLED STUDY. *J Cardiopulm Rehabil Prev.* 2017 Nov 8. doi: 10.1097/HCR.0000000000000285. **(IF: 1.56)**
37. Gillissen A, Kähler CM, **Koczulla** AR, Sauer R, Paparoupa M. [COPD-Management, a comprehensive review]. *MMW Fortschr Med.* 2017 Nov;159(Suppl 3):32-43. doi: 10.1007/s15006-017-9594-5. **(IF: 0.03)**
38. Greulich T, Fischer H, Lubbe D, Nell C, Baumbach JI, Koehler U, Boeselt T, Vogelmeier C, **Koczulla** A. Obstructive sleep apnea patients can be identified by ion mobility spectrometry-derived smell prints of different biological materials. *J Breath Res.* 2017 Oct 30. doi: 10.1088/1752-7163/aa96e2 **(IF: 3.0)**
39. Engel M, Endesfelder D, Schloter-Hai B, Kublik S, Granitsiotis MS, Boschetto P, Stendardo M, Barta I, Dome B, Deleuze JF, Boland A, Müller-Quernheim J, Prasse A, Welte T, Hohlfeld J, Subramanian D, Parr D, Gut IG, Greulich T, **Koczulla** AR, Nowinski A, Gorecka D, Singh D, Gupta S, Brightling CE, Hoffmann H, Frankenberger M, Hofer TP, Burggraf D, Heiss-Neumann M, Ziegler-Heitbrock L, Schloter M, Zu Castell W. Influence of lung CT changes in chronic obstructive pulmonary disease (COPD) on the human lung microbiome. *PLoS One.* 2017 Jul 13;12(7):e0180859. doi: 10.1371/journal.pone.0180859 **(IF: 2.77)**
40. Gillissen A, Kähler CM, **Koczulla** AR, Sauer R. [COPD, an update of current management recommendations]. *MMW Fortschr Med.* 2017 Jun;159(12):56-59. doi: 10.1007/s15006-017-9851-7. Review. German **(IF: 0.03)**
41. Lorenz J, Bals R, Dreher M, Jany B, **Koczulla** R, Pfeifer M, Randerath W, Steinkamp G, Taube C, Watz H, Windisch W. Exacerbations of COPD. *Pneumologie.* 2017 May;71(5):269-289. doi: 10.1055/s-0043-106559 **(IF: 0.84)**
42. Alter P, Boeselt T, Nell C, Spielmanns M, Kenn K, **Koczulla** AR. Feasibility and safety of whole-body vibration therapy in intensive care patients. *Crit Care.* 2017 Apr 13;21(1):91. doi: 10.1186/s13054-017-1669-2. **(IF: 6.9)**
43. Spielmanns M, Gloeckl R, Gropp JM, Nell C, **Koczulla** AR, Boeselt T, Storre JH, Windisch W. Whole-Body Vibration Training During a Low Frequency Outpatient Exercise Training Program in Chronic Obstructive Pulmonary Disease Patients: A Randomized, Controlled Trial. *J Clin Med Res.* 2017 May;9(5):396-402. doi: 10.14740/jocmr2763w. Epub 2017 Apr 1. **(IF: 1.18)**

44. Boeselt T, Nell C, Lütteken L, Kehr K, Koepke J, Apelt S, Veith M, Beutel B, Spielmanns M, Greulich T, Vogelmeier CF, Kenn K, Janciauskiene S, Alter P, **Koczulla** AR. Benefits of High-Intensity Exercise Training to Patients with Chronic Obstructive Pulmonary Disease: A Controlled Study. *Respiration*. 2017;93(5):301-310. doi: 10.1159/000464139 (**IF: 2.93**)
45. Spielmanns M, Müller K, Schott N, Winkler A, Polanski H, Nell C, Boeselt T, **Koczulla** AR, Storre JH, Windisch W, Magnet FS, Baum K. [Impact of a Senso-Motoric Intervention in COPD-Patients Participating in an Outpatient Pulmonary Rehabilitation Program: A Randomized Controlled Trial]. *Rehabilitation* (Stuttg). 2017 Jun;56(3):159-166. doi: 10.1055/s-0042-119248 (**IF:0.32**)
46. Jung N, Rupp H, **Koczulla** AR, Vogelmeier CF, Alter P. Myocardial homing of mesenchymal stem cells following intrapericardial application and amplification by inflammation - an experimental pilot study. *Can J Physiol Pharmacol*. 2017 Sep;95(9):1064-1066. doi: 10.1139/cjpp-2016-0373 (**IF:**)
47. Spielmanns M, Meier A, Winkler A, Glöckl R, Nell C, **Koczulla** AR, Boeselt T, Alter P, Magnet F, Storre JH, Windisch W. [Pulmonary Rehabilitation after Acute Exacerbation of COPD Reduces the Rate of Reexacerbations]. *Dtsch Med Wochenschr*. 2017 Jan;142(2):e10-e19. doi: 10.1055/s-0042-121346. (**IF:0.03**)
48. Greulich T, Regner W, Branscheidt M, Herr C, **Koczulla** AR, Vogelmeier CF, Bals R. Altered blood levels of vitamin D, cathelicidin and parathyroid hormone in patients with sepsis-a pilot study. *Anaesth Intensive Care*. 2017 Jan;45(1):36-45. (**IF: 2.38**)
49. Spielmanns M, Axer F, Nell C, **Koczulla** AR, Boeselt T, Magnet F, Storre JH, Windisch W. [Outcome predictors for COPD patients hospitalized for acute exacerbation]. *Med Klin Intensivmed Notfmed*. 2017 Nov;112(8):708-716. doi: 10.1007/s00063-016-0245-x (**IF: 0.69**)
50. Spielmanns M, Boeselt T, Gloeckl R, Klutsch A, Fischer H, Polanski H, Nell C, Storre JH, Windisch W, **Koczulla** AR. Low-Volume Whole-Body Vibration Training Improves Exercise Capacity in Subjects With Mild to Severe COPD. *Respir Care*. 2017 Mar;62(3):315-323. doi: 10.4187/respcare.05154 (**IF:2.07**)
51. **Koczulla** AR, Vogelmeier CF, Garn H, Renz H. New concepts in asthma: clinical phenotypes and pathophysiological mechanisms. *Drug Discov Today*. 2017 Feb;22(2):388-396. doi: 10.1016/j.drudis.2016.11.008. Epub 2016 Nov 17 (**IF: 6.8**)
52. Greulich T, Nell C, Hohmann D, Grebe M, Janciauskiene S, **Koczulla** AR, Vogelmeier CF. The prevalence of diagnosed α 1-antitrypsin deficiency and its comorbidities: results from a large population-based database. *Eur Respir J*. 2017 Jan 4;49(1). pii: 1600154. doi: 10.1183/13993003.00154-2016. (**IF: 12.24**)

Publikationen 2016

53. Jarosch I, Gehlert S, Jacko D, **Koczulla** RA, Wencker M, Welte T, Bloch W, Janciauskiene S, Kenn K. Different Training-Induced Skeletal Muscle Adaptations in COPD Patients with and without Alpha-1 Antitrypsin Deficiency. *Respiration*. 2016;92(5):339-347. Epub 2016 Sep 30 (**IF:2.93**)
54. Stefan Peters, Angelika Kronseder, Stefan Karrasch, Petra A. Neff, Matz Haaks, **Andreas R. Koczulla**, Petra Reinhold, Dennis Nowak, Rudolf A. Jörres Hydrogen peroxide in exhaled air: a source of error, a paradox and its resolution ERJ open research DOI: 10.1183/23120541.00052-2015 (**IF:2.41**)
55. Boeselt T, Spielmanns M, Nell C, Storre JH, Windisch W, Magerhans L, Beutel B, Kenn K, Greulich T, Alter P, Vogelmeier C, **Koczulla** AR. Validity and Usability of Physical Activity Monitoring in Patients with Chronic Obstructive Pulmonary Disease (COPD). *PLoS One*. 2016 Jun 15;11(6):e0157229. doi: 10.1371/journal.pone.0157229. eCollection 2016. (**IF: 2.7**)
56. Greulich T, Nell C, Herr C, Vogelmeier C, Kotke V, Wiedmann S, Wencker M, Bals R, **Koczulla** AR. Results from a large targeted screening program for alpha-1-antitrypsin deficiency: 2003 - 2015. *Orphanet J Rare Dis*. 2016 Jun 10;11(1):75. doi: 10.1186/s13023-016-0453-8. (**IF: 1.4**)
57. The effects of smoking and smoking cessation on nasal mucociliary clearance, mucus properties and inflammation Utiyama DM, Yoshida CT, Goto DM, de Santana Carvalho T, de Paula Santos U, **Koczulla** AR, Saldiva PH, Nakagawa NK. *Clinics (Sao Paulo)*. 2016 Jul;71(6):344-50. doi: 10.6061/clinics/2016(06)10 (**IF: 1.2**)
58. Deepak R. Subramanian, Sumit Gupta, Dorothe Burggraf, Suzan J. vom Silberberg, Irene, Heimbeck, Marion S. Heiss-Neumann, Karl Haeussinger, Chris Newby, BeverleyHargadon, Vimal Raj, Dave Singh, Umme Kolsum, Thomas P. Hofer, Khaled Al-shair, Niklas Luetzen, Antje Prasse, Joachim Müller-Quernheim, Giorgio Benea, Stefano Leprotti, Piera Boschetto, Dorota Gorecka, Adam Nowinski, Karina Oniszh, Wolfgang zu Castell, Michael Hagen, Imre Barta, Balázs Döme, Janos Strausz1, Timm Greulich, Claus Vogelmeier, Andreas R. **Koczulla**, Ivo Gut, Jens Hohlfeld, Tobias Welte, Mahyar Lavae-Mokhtari, Loems Ziegler-Heitbrock, Christopher Brightling, David G Parr Emphysema- and airways-dominant COPD phenotypes defined by standardized quantitative CT ERJ 2016 [IF 10.5]
59. Gaida, Arne; Holz, Olaf; Nell, Christoph; Schuchardt, Sven; Lavae-Mokhtari, Bianca; Kruse, Lena; Boas, Ursula; Langejuergen, Jens; Allers, Maria; Zimmermann, Stefan; Vogelmeier, Claus; **Koczulla**, Andreas; Hohlfeld, Jens A dual center study to compare breath volatile organic compounds from smokers and non-smokers with and without COPD" Article reference: JBR-100360.R1 [IF 4,6]
60. Kirschbaum, B. Beutel, A. Rinke, P. Rexin ,L. Fink, R. **Koczulla**, DK Bartsch Multifokale neuroendokrine Lungentumoren (MFLNET) – Entstehung, Diagnostik und Behandlung Pneumologie. 2016 Feb;70(2):123-9. doi: 10.1055/s-0041-110291 [IF 0]
61. Nupur Aggarwal, Janine Koepke, Nerea Matamala, Beatriz Martinez-Delgado, Maria Teresa Martinez, Heiko Golpon, Jan Stolk, Sabina Janciauskiene, A-Rembert **Koczulla** Alpha1-antitrypsin regulates transcriptional levels of serine proteases in blood mononuclear cells Am. J. Resp. Crit Care in press [IF 12,9]

62. Alter P, **Koczulla** AR, Nell C, Figiel JH, Vogelmeier CF, Rominger MB Wall stress determines systolic and diastolic function - Characteristics of heart failure. *Int J Cardiol.* 2016 Jan 1;202:685-93. doi: 10.1016/j.ijcard.2015.09.032. [IF 4,03]

Publikationen 2015

63. Maike Gold*; A-Rembert **Koczulla***; David Mengel*; Janine Koepke; Richard Dodel; Geurgana Dontcheva; Pardes Habib; Jan-Philipp Bach Reduction of glutamate-induced excitotoxicity in murine primary neurons involving calpain inhibition Journal of Neurological Sciences* shared authorship, 2015 in press [IF 2,47]
64. Tobias Boeselt, Christoph Nell, Katharina Kehr; Angélique Holland, Marc Dresel, Timm Greulich, Bjoern Tackenberg, Klaus Kenn, Johannes Boeder, Benjamin Klapdor, Andreas Kirschbaum, Claus Vogelmeier, Peter Alter, Andreas Rembert **Koczulla**, Whole Body Vibration Therapy in Intensive Care Patients Journal of Rehabilitation Medicine 2015 in press [IF 2,45]
65. Alter P, Glück T, Figiel JH, **Koczulla AR**, Vogelmeier CF, Rupp H. From Heart Failure to Highly Unsaturated Fatty Acid Deficiency and Vice Versa: Bidirectional Heart and Liver Interactions. *Can J Cardiol.* 2015 May 30. pii: S0828-282X(15)00401-8. doi: 10.1016/j.cjca.2015.05.019] [IF 3,94]
66. Ferrarotti I., Poplawska-Wisniewska B., Trevisan M.T., Koepke J., Marc Dresel, **Koczulla** R, Ottaviani S., Baldo R., Gorrini M., Sala G., Cavallon L., Welte T., Chorostowska-Wynimko J., Luisetti M., Janciauskiene S. How can we improve the detection of alpha1-antitrypsin deficiency? *Plos one* 2015 Aug 13;10(8):e0135316. doi: 10.1371/journal.pone.0135316 [IF 3,5]
67. Peter Alter, Kirsten van de Sand, Christoph Nell, Jens H. Figiel, Timm Greulich, Claus F. Vogelmeier, Andreas R. **Koczulla**, Airflow limitation in COPD is associated with increased left ventricular wall stress in coincident heart failure., *Respiratory Medicine* 2015 Sep;109(9):1131-7. doi: 10.1016/j.rmed.2015.07.012 [IF 3,08]
68. Greulich, T, **Koczulla**, A.R., Nell, C, Kehr, K, Vogelmeier, CF, Stojanovic, D; Wittmann, M, Schultz, K Effect of a three-week inpatient rehabilitation program in 544 consecutive patients with very severe COPD *Respiration* 2015 Oct;90(4):287-92. doi: 10.1159/000436979.. [IF 2,59]
69. Jan-Philipp Bach , Maike Gold, David Menge, Akira Hattesohl, Dirk Lubbe, Severin Schmid, Björn Tackenberg, Jürgen Rieke, Sasidhar Maddula, Jörg Ingo Baumbach, Christoph Nell, Tobias Boeselt, Joan Michelis, Judith Alferink, Michael Heneka, Wolfgang Oertel, Frank Jessen, Sabina Janciauskiene, Claus Vogelmeier, Richard Dodel, Andreas Rembert **Koczulla** Measuring compounds in exhaled air to detect Alzheimer's disease and Parkinson's disease, *Plos one* Jul 13;10(7):e0132227. doi: 10.1371/journal.pone.0132227. [IF 3,5]
70. Haller A, Schuerg S, Schudt F, **Koczulla** AR, Mursina L, Gross V, Sohrabi K. Supporting Prolonged COPD Monitoring Using an Application for Mobile Devices. *Stud Health Technol Inform.* 2015;212:154-8. [IF 0]
71. Successful Treatment of Severe Pneumonia Caused by *Burkholderia cenocepacia* With Intravenous Antibiotics and Immunosuppression Under Extracorporeal Membrane Oxygenation Kirschbaum, Andreas ; Seyfer, Perla; Hug, Martin J.; Trittler, Rainer; Pehl, Annika **Koczulla**, Andreas-Rembert; Holland, Angelique; Vogelmeier, Claus; Wulf, Hinnerk ; Vassiliou, Timon; Rolfes, Caroline , Infectious Diseases in Clinical Practice: January 2015 - Volume 23 - Issue 1 - p 54–56 [IF 0]

72. Late gadolinium enhancement in sarcoidosis: ventricular wall stress should not be overlooked. Alter P, Vogelmeier CF, **Koczulla** AR. *Chest.* 2015 Mar;147(3):e118. doi: 10.1378/chest.14-2740. [IF 7,1]
73. Koepke J, Dresel M, Schmid S, Greulich T, Beutel B, Schmeck B, Vogelmeier CF, Janciauskiene S, **Koczulla** AR. Therapy with Plasma Purified Alpha1-Antitrypsin (Prolastin®) Induces Time-Dependent Changes in Plasma Levels of MMP-9 and MPO. *PLoS One.* 2015 Jan 30;10(1):e0117497. [IF 3,5]

Publikationen 2014

74. Jung N, Mronga S, Schroth S, Vassiliou T, Sommer F, Walthers E, Aepinus C, Jerrentrup A, Vogelmeier C, Holland A, **Koczulla** R. Gardening can induce pulmonary failure: Aspergillus ARDS in an immunocompetent patient, a case report. *BMC Pulm Med.* **BMC Infect Dis.** 2014 Nov 26;14(1):600. [IF 2,56]
75. Gold M, Dolga AM, Koepke J, Mengel D, Culmsee C, Dodel R, Koczulla A, Bach JP. Alpha 1 -antitrypsin modulates microglial-mediated neuroinflammation and protects microglial cells from amyloid- β -induced toxicity. *J Neuroinflammation.* 2014 Sep 23;11(1):165. [IF 4,9]
76. AR **Koczulla** Treatments for pulmonary fibrosis *N Engl J Med.* 2014 Aug 21;371(8):781. doi: 10.1056/NEJMc1407776#SA1 [IF 54,42]
77. Tobias Rogosch . Nina Herrmann, Rolf F. Maier, Eugen Domann, Akira Hattesohl, Andreas Rembert **Koczulla**, Michael Zemlin, Detection of primary bloodstream infections and prediction of bronchopulmonary dysplasia in preterm neonates by using an electronic nose *J Pediatr.* 2014 Jun 11. pii: S0022-3476(14)00407-7 [IF 4,3]
78. E. Frenzel, S. Wenger, S. Immenschuh, R. **Koczulla**, R. Mahadeva, HJ Deeg, C. Dinarello, T. Welte, AMQ Marcondes, S. Janciauskiene, Acute Phase Protein alpha1-Antitrypsin- A Novel Regulator of Angiopoetin-like Protein 4 Transcription and Secretion, *J Immunol.* 2014 Jun 1;192(11):5354-62. [IF 5,5]
79. Benefits of whole body vibration training in patients hospitalised for COPD exacerbations - a randomized clinical trial Timm Greulich, Christoph Nell, Janine Koepke, Juliane Fechtel, Maja Franke, Bernd Schmeck, Daniel Haid, Sandra Apelt, Silke Filipovic, Klaus Kenn, Sabina Janciauskiene, Claus Franz Vogelmeier, Andreas Rembert **Koczulla** *BMC Pulm Med.* 2014 Apr 11;14:60. [IF 2,6]
80. P. Alter L. Luetteken C. Nell D. Haid K. Kehr T. Greulich S. Apelt K. Langenhan C. Hohmann C. F. Vogelmeier A. R.**Koczulla** Exercise training leads to physiological left ventricular hypertrophy in COPD *International Journal of Cardiology* [IF 5,5]
81. S. Janciauskiene, B. Olejnicka, R **Koczulla**, L-O Cardell, T. Welte, U. Westin, Allergen-specific immunotherapy increases plasma gelsolin levels, *American Journal of Rhinology and Allergy Am J Rhinol Allergy.* 2014 May;28(3):136-40. [IF 1,74]
82. [Chronic obstructive pulmonary disease (COPD) : Current concepts and new therapeutic options.]Klemmer A, Greulich T, **Koczulla** AR, Vogelmeier CF. *Internist (Berl).* 2014 Mar 1 [IF 0,32] Review
83. Timm Greulich, Katharina Kehr, Christoph Nell, Janine Köpke, Daniel Haid, Ulrich Koehler, Kay Koehler, Silke Filipovic, Klaus Kenn, Claus Vogelmeier, A.-Rembert **Koczulla** A Randomized Clinical Trial To Assess The Influence Of A Three Months Training Program (Gym-based Individualized Vs. Calisthenics-based Non-individualized) In COPD-Patients *Respiratory Research* 2014 Mar 25;15:36 [IF 3,6]

Publikationen 2013

84. Ph in exhaled breath condensate and nasal lavage as a biomarker of air pollution-related inflammation in street traffic-controllers and office-workers Thamires Marques de Lima, Cristiane Mayumi Kazama, Andreas Rembert **Koczulla**, Pieter S Hiemstra, Mariangela Macchione, Ana Luisa Godoy Fernandes, Ubiratan de Paula Santos, Maria Lucia Bueno-Garcia, Dirce Maria Zanetta, de André CD, Paulo Hilario Nascimento Saldiva, Naomi Kondo Nakagawa Clinics (Sao Paulo). 2013 Dec;68(12):1488-94. [IF 1,59]
85. Zakharkina Tetjana, Heinzel E, **Koczulla** RA, Greulich Timm, Rentz K, Pauling JK, Baumbach Joerg, Herrmann M, Grünewald C, Dienemann H, von Müller L, Bals Robert. PLoS One. 2013 Jul 9;8(7):e68302. doi: 10.1371 [IF 3,7]
86. Telemonitoring in patients with COPD and acute exacerbation Koehler Ullrich, Greulich Timm, Gross Vilker, Hildebrandt Olaf, Redhardt Felicitas, Sohrabi Kewan, Weissflog Andreas, **Koczulla** Rembert. Dtsch Med Wochenschr. 2013 Apr;138(16):837-41. [IF 0,65]
87. Role of IL-18 in Second Hand Smoke-Induced Emphysema. Kratzer A, Salys J, Nold-Petry C, Cool C, Zamora M, Bowler R, **Koczulla** AR, Janciauskiene Sabina, Edwards M, Dinarello CA, Taraseviciene-Stewart Leima. Am J Respir Cell Mol Biol. 2013 Feb 7 [IF 5,13]
88. Detection of obstructive sleep apnea by an electronic nose Timm Greulich, Akira Hattesohl, Antje Grabisch, Janine Koepke, Severin Schmid, Sarah Noeske, Christoph Nell, Marion Wencker, Rudolf A. Jörres, Claus Franz Vogelmeier, Ulrich Köhler, Andreas Rembert **Koczulla** Eur Respir J. 2013 Jul;42(1):145-55. doi: 10.1183/09031936.00091712. [IF 6,355]

Publikationen 2012

89. The effects of weekly augmentation therapy in patients with PiZZ α1-antitrypsin deficiency Schmid Severin Thomas, Koepke Janine, Dresel Marc, Hattesohl Akira, Frenzel Eileen, Pérez Jose, Lomas David¶, Miranda Emilia, Greulich Timm, Noeske Sarah, Wencker Marion, Teschler Helmut, Vogelmeier Claus, Janciauskiene Sabina and **Koczulla** Andreas Rembert Int J Chron Obstruct Pulmon Dis. 2012;7:687-696 [IF 2,5]
90. Chronic obstructive pulmonary disease: New pharmacotherapeutic options Greulich Timm, **Koczulla** Andreas Rembert, Vogelmeier Claus. Internist (Berl). 2012 Sep 7. [IF 0,32]
91. Does augmentation with alpha1-antitrypsin affect neutrophil extracellular traps formation? Frenzel Eileen, Korenbaum E, Hegermann J, Ochs M, Koepke Janine, **Koczulla** Andreas Rembert, Welte Tobias, Köhnlein Thomas, Janciauskiene Sabina Int J Biol Sci. 2012;8(7):1023-5. Epub 2012 Aug 8. [IF 3,16]
92. Pulmonary allergic reactions, Koczulla Andreas Rembert, Beutel Bjoern, Jerrentrup Andreas, Vogelmeier Claus. Internist (Berl). 2012 Aug;53(8):924-33. [IF 0,32]
93. [Rare Diseases in Pulmonary Medicine and its Challenges.] Wencker Marion, Teschler Helmut, Vogelmeier Claus, **Koczulla** Rembert., Pneumologie. 2012 Jul;66(7):437-41 [IF 0]
94. Krüppel-like zinc finger proteins in end-stage COPD lungs with and without severe alpha1-antitrypsin deficiency. **Koczulla** Rembert, Jonigk Dani, Wolf T, Herr Christian, Noeske Sarah, Klepetko Walter, Vogelmeier Claus, von Neuhoff N, Rische J, Wrenger S, Golpon Heiko, Voswinckel Robert, Luisetti Maurizio, Ferrarotti Ilaria, Welte Tobias, Janciauskiene Sabina. Orphanet J Rare Dis. 2012 May 23;7(1):29. [IF 5,7]
95. [Chronic obstructive pulmonary disease (COPD)]. **Koczulla** Andreas Rembert, Greulich Timm, Beutel Bjoern, Vogelmeier Claus. Dtsch Med Wochenschr. 2012 Jun;137(22):1185-7. Epub 2012 May 22 [IF 0,65]
96. Alpha-1 Antitrypsin Is Elevated In Exhaled Breath Condensate And Serum In Exacerbated COPD Patients **Koczulla** Andreas Rembert, Sarah Noeske, Christian Herr, Janine Koepke, Rudolf A. Joerres, Christoph Nell, Severin Schmid, Claus Vogelmeier, Robert Bals Respir Med. 2012 Jan;106(1):120-6. [IF 2,65]

Publikationen 2011

97. Comparison of two devices and two breathing patterns for exhaled breath condensate sampling. Hüttmann Eva Maria, Greulich Timm, Hattesohl Akira, Schmid Severin, Noeske Sarah, Herr Christian, John Gerrit, Jörres Rudolf, Müller Bernd, Vogelmeier Claus, **Koczulla** Andreas Rembert. PLoS One. 2011;6(11):e27467. Epub 2011 Nov 7. [IF 4,09]
98. Discrimination between COPD with and without alpha 1-antitrypsin deficiency using an electronic nose. Hattesohl Akira, Jörres Rudolf, Dressel Holger, Schmid Severin, Vogelmeier Claus, Greulich Timm, Noeske Sarah, Bals Robert, **Koczulla** Andreas Rembert. Respirology. 2011 Aug 24. doi: 10.1111/j.1440-1843.2011.02047 [IF 2,78]
99. [Special Training Therapy to Reduce Inflammation in Anti-Jo-1 Syndrome.] Greulich Timm, Müller Silke, Fechtel Juliane, Nell Christoph, Holland Angelique, Bach Jan Phillip, Tackenberg Björn, Schubert Harald, Kenn Klaus, Vogelmeier Claus, **Koczulla** Andreas Rembert. Pneumologie. 2011 Aug 24. [IF 0]
100. COPD CME **Koczulla** Andreas Rembert, Greulich Timm, Schmid Severin, Kenn Klaus, Heinzelmann Inga, Vogelmeier, Claus, Der Pneumologe September 2011, Volume 8, Issue 5 , pp 359-371 [IF 0]
101. MCC/IMS as potential noninvasive technique in the diagnosis of patients with COPD with and without alpha 1-antitrypsin deficiency **Koczulla** Andreas Rembert, Hattesohl Akira, Schmid Severin, Bernd. Bödeker, S. Maddula, Joerg. Baumbach Int. J. Ion Mobil. Spec.2011 DOI 10.1007/s12127-011-0070-0 [IF 0]
102. The role of vitamin D in pulmonary disease: COPD, Asthma, infection , and cancer, Herr Christian, Greulich Timm, **Koczulla** Andreas Rembert, Meyer Silke, Zakharkina Tetjana, Branscheidt Merrit, Echmann R, Bals Robert Resp. Res. 2011 Mar 18 ; 12 (1) :31 [IF 3,36]
103. Detection of microorganisms in exhaled breath condensate during acute exacerbations of COPD, Zakharkina Tetjana, **Koczulla** Andreas Rembert, Mardanova Olga, Hattesohl Akira, Bals Robert. Respirology. 2011 Aug;16(6):932-8 [IF 2,78]
104. Krankheiten erriechen? Eine kurze Übersicht über elektronische Nasen **Koczulla** Andreas Rembert. Hattesohl Akira, Biller Heike, Hofbauer Judith, Hohlfeld Jens, Oeser Christian, Wirtz Hubert, Jörres Rudolf et al. Pneumologie 2011; 65: 1–5 [IF 0]
105. The discovery of α 1-antitrypsin and its role in health and disease. Janciauskiene Sabina, Bals Robert, **Koczulla** Rembert, Vogelmeier Claus, Köhnlein Thomas, Welte Tobias. Respir Med. 2011 Feb 28 [IF 2,475]

Publikationen 2010

106. Ambient Temperature Impacts on pH of Exhaled Breath Condensate **Koczulla**
Andreas Rembert, Noeske Sarah, Herr Christian, Dette Frank, Pinkenburg Olaf,
Schmid Severin, Jörres Rudolf, Vogelmeier Claus, Bals Robert. Respirology 2010
Jan;15(1):155-9. [IF 1,8]
107. The acute and chronic effects of smoking on inflammation markers in exhaled
breath
condensate (EBC) in current smokers **Koczulla** Andreas Rembert, Noeske Sarah,
Herr Christian, Jörres Rudolf A, Römmelt Herbert, Vogelmeier Claus, Bals Robert.
Respiration 2010;79(1):61-7 [IF 2,54]

Publikationen 2009

108. Comparison of exhaled breath condensate pH using two commercial available devices in healthy controls, asthma and COPD patients **Koczulla** Andreas Rembert, Dragonieri Silvano, Schot Robert, Bals Robert, Gauw Stephanie, Vogelmeier Claus, Rabe Klaus, Sterk Peter, Hiemstra Pieter. *Respir Res.* 2009 Aug 24;10(1):78 [IF 3,36]
109. Alpha-1-antitrypsin deficiency: diagnosis and therapy of the lung disease] Schroth Susanne, **Koczulla** Rembert, Herr Christian, Greulich Timm, Walther Eduard M, Vogelmeier Claus, Bals Robert. *Pneumologie.* 2009 Jun;63(6):335-41; CME [IF 0]
110. [Diagnosis and therapy of COPD] **Koczulla** Andreas Rembert, Bals Robert, Greulich Timm, Vogelmeier Claus. *MMW Fortschr Med.* 2009 Apr 2;151(14):55-9; quiz 60. German. No abstract available. [IF 0]
111. [Chronic obstructive pulmonary disease (COPD) as a systemic disease] Greulich Timm, **Koczulla** Robert, Vogelmeier Claus, Bals Robert. *Dtsch Med Wochenschr.* 2009 Jun;134(23):1231-5. Epub 2009 May 14. Review. German. [IF 0,59]

Publikationen 2008

112. [The German registry of individuals with alpha-1-antitrypsin deficiency--a source for research on patient care] **Koczulla** Rembert, Bittkowski Nina, Andress Jürgen, Greulich Timm, Schroth Susanne, Kotke Viktor, Vogelmeier Claus, Bals Robert. *Pneumologie*. 2008 Nov;62(11):655-8. Epub 2008 Oct 14. German. [IF 0]
113. [Chronic obstructive pulmonary disease: from pathogenesis to treatment] **Koczulla** Andreas Rembert, Vogelmeier Claus. *Dtsch Med Wochenschr*. 2008 Mar;133(10):471-5. Review. German. [IF 0,65]

Publikationen 2007

114. [Differential diagnoses of dyspnoea] **Koczulla** Andreas Rembert, Vogelmeier Claus. Internist (Berl). 2007 Dec;48(12):1389-99; quiz 1400. German. [IF 0,27]
115. The host defence peptide LL-37/hCAP-18 is a growth factor for lung cancer cells.
Both authors contributed equally von Haussen Judith, **Koczulla** Rembert*, Shaykhiev Renat, Herr Christian, Pinkenburg Olaf, Reimer Dirk, Wiewrodt Rainer, Biesterfeld S, Aigner A, Czubayko F, Bals Robert. Lung Cancer. 2008 Jan;59(1):12-23. Epub 2007 Aug 31. [IF 2,31]
116. [The 10-minute consultation: hemoptysis] **Koczulla** Andreas Rembert, Vogelmeier Claus. MMW Fortschr Med. 2007 Jan 25;149(4):46-7. German. [IF 0]
117. Identification of individuals with alpha-1-antitrypsin deficiency by a targeted screening program. Bals Robert, **Koczulla** Rembert, Kotke Viktor, Andress Jürgen, Blackert Karl-Heinz, Vogelmeier Claus Respir Med. 2007 Aug;101(8):1708-14. Epub 2007 Apr 10. [IF 1,89]

Publikationen 2006

118. [Pathogenesis of chronic obstructive pulmonary disease] Vogelmeier Claus, Koczulla Rembert, Fehrenbach Heinz, Bals Robert. Internist (Berl). 2006 Sep;47(9):885-6, 888-90, 892-4. Review. German. [IF 0,3]

Publikationen 2004

119. Microbial DNA induces a host defense reaction of human respiratory epithelial cells.
Platz Juliane, Beisswenger Christoph, Dalpke Andreas, **Koczulla** Rembert,
Pingenburg Olaf, Vogelmeier Claus, Bals Robert.
J Immunol. 2004 Jul 15;173(2):1219-23. [IF 6,4]

Publikationen 2003

120. An angiogenic role for the human peptide antibiotic LL-37/hCAP-18. **Koczulla** Rembert, von Degenfeld Georges, Kupatt Christian, Krötz Florian, Zahler Stephan, Gloe Thorsten, Issbrücker Katja, Unterberger P, Zaiou M, Lebherz Corinna, Karl A, Raake P, Pfosser Achim, Boekstegers Peter, Welsch U, Hiemstra Pieter Sicco, Vogelmeier Claus, Gallo RL, Clauss Matthias, Bals Robert. J Clin Invest. 2003 Jun;111(11):1665-72. [IF 15,4]
121. Antimicrobial peptides: current status and therapeutic potential.
Koczulla Andreas Rembert, Bals Robert. Drugs. 2003;63(4):389-406. Review. [IF 4,6]