

Publikationsliste

Prof. Dr. med. Andreas Rembert Koczulla

Publikationen 2023

1. High-intensity non-invasive ventilation during exercise-training versus without in people with very severe COPD and chronic hypercapnic respiratory failure: a randomised controlled trial. Schneeberger T, Dennis CJ, Jarosch I, Leidl D, Stegemann A, Gloeckl R, Hitzl W, Leidinger M, Schoenheit-Kenn U, Criée CP, Koczulla AR, Kenn K. *BMJ Open Respir Res.* 2023 Nov 22;10(1):e001913. doi: 10.1136/bmjresp-2023-001913. PMID: 37993279 Free PMC article. Clinical Trial. (IF: 4,1)
2. Surface proteome of plasma extracellular vesicles as mechanistic and clinical biomarkers for malaria. Jung AL, Møller Jørgensen M, Bæk R, Artho M, Griss K, Han M, Bertrams W, Greulich T, Koczulla R, Hippenstiel S, Heider D, Suttorp N, Schmeck B. *Infection.* 2023 Oct;51(5):1491-1501. doi: 10.1007/s15010-023-02022-x. Epub 2023 Mar 24. PMID: 36961624 Free PMC article. (IF: 5,2)
3. Pulmonary Rehabilitation Schneeberger T, Abdullayev G, Koczulla AR. *Rehabilitation (Stuttg).* 2023 Aug;62(4):232-247. doi: 10.1055/a-2043-6767. Epub 2023 Aug 14. PMID: 37579755 Review. German. (IF: 0,9)
4. Diagnosis and treatment of asthma: a guideline for respiratory specialists 2023 - published by the German Respiratory Society (DGP) e.V. Lommatzsch M, Criée CP, de Jong CCM, Gappa M, Geßner C, Gerstlauer M, Hämäläinen N, Haidl P, Hamelmann E, Horak F, Idzko M, Ignatov A, Koczulla AR, Korn S, Köhler M, Lex C, Meister J, Milger-Kneidinger K, Nowak D, Nothacker M, Pfaar O, Pohl W, Preisser AM, Rabe KF, Riedler J, Schmidt O, Schreiber J, Schuster A, Schuhmann M, Spindler T, Taube C, Christian Virchow J, Vogelberg C, Vogelmeier CF, Wantke F, Windisch W, Worth H, Zacharasiewicz A, Buhl R; Weitere beteiligte Wissenschaftliche Fachgesellschaften und Organisationen: Deutsche Atemwegsliga e.V.; Deutsche Gesellschaft für Arbeitsmedizin und Umweltmedizin e.V.; Deutsche Gesellschaft für Allergologie und klinische Immunologie e.V.; Deutsche Gesellschaft für Gynäkologie und Geburtshilfe e.V.; Deutsche Gesellschaft für Rehabilitationswissenschaften e.V.; Gesellschaft für Pädiatrische Allergologie und Umweltmedizin e.V.; Gesellschaft für Pädiatrische Pneumologie e.V.; Bundesverband der Pneumologen, Schlaf- und Beatmungsmediziner; Österreichische Gesellschaft für Kinder- und Jugendheilkunde; Österreichische Gesellschaft für Pneumologie; Deutsche Patientenliga Atemwegserkrankungen e.V.. *Pneumologie.* 2023 Aug;77(8):461-543. doi: 10.1055/a-2070-2135. Epub 2023 Jul 5. PMID: 37406667 Free article. German. (IF: 1,2)
5. S1 guidelines for the management of postviral conditions using the example of post-COVID-19

Rabady S, Hoffmann K, Aigner M, Altenberger J, Brose M, Costa U, Denk-Linnert DM, Gruber S, Götzinger F, Helbok R, Hübner K, Koczulla R, Kurz K, Lamprecht B, Leis S, Löffler J, Müller CA, Rittmannsberger H, Rommer PS, Sator P, Strenger V, Struhal W, Untersmayr E, Vonbank K, Wancata J, Weber T, Wendler M, Zwick RH. *Wien Klin Wochenschr*. 2023 Jul;135(Suppl 4):525-598. doi: 10.1007/s00508-023-02242-z. Epub 2023 Aug 9. PMID: 37555900 Free PMC article. German. (IF: 2,4)

6. Prescribing and adjusting exercise training in chronic respiratory diseases - Expert-based practical recommendations.

Gloeckl R, Zwick RH, Furlinger U, Jarosch I, Schneeberger T, Leitl D, Koczulla AR, Vonbank K, Alexiou C, Vogiatzis I, Spruit MA. *Pulmonology*. 2023 Jul-Aug;29(4):306-314. doi: 10.1016/j.pulmoe.2022.09.004. Epub 2022 Oct 20. PMID: 36272962 Free article. (IF: 11,7)

7. Rehabilitative interventions in patients with persistent post COVID-19 symptoms-a review of recent advances and future perspectives.

Gloeckl R, Leitl D, Schneeberger T, Jarosch I, Koczulla AR. *Eur Arch Psychiatry Clin Neurosci*. 2023 Jun 16. doi: 10.1007/s00406-023-01631-9. Online ahead of print. PMID: 37326700 Review. (IF: 4,4)

8. Volatile Phases Derived from Serum, DC, or MLC Culture Supernatants to Deduce a VOC-Based Diagnostic Profiling Strategy for Leukemic Diseases.

Baudrexler T, Boeselt T, Li L, Bohlscheid S, Boas U, Schmid C, Rank A, Schmohl J, Koczulla R, Schmetzer HM. *Biomolecules*. 2023 Jun 14;13(6):989. doi: 10.3390/biom13060989. PMID: 37371569 Free PMC article. (IF: 5,5)

9. S2k-Guideline SARS-CoV-2, COVID-19 and (early) rehabilitation - a consensus-based guideline for Germany.

Platz T, Berlit P, Dohle C, Fickenscher H, Guha M, Köllner V, Kramer A, Koczulla R, Schlitt A. *GMS Hyg Infect Control*. 2023 May 12;18:Doc12. doi: 10.3205/dgkh000438. eCollection 2023. PMID: 37261059 Free PMC article. (IF: 0,38)

10. The problem of long/post-COVID in expert assessments.

Eyfferth T, Koczulla AR, Freytag HW, Krahel G, Ackermann C, Bultmann S, Reimertz R, Dresing K; Sektion Begutachtung der DGOU. *Unfallchirurgie (Heidelb)*. 2023 May;126(5):373-386. doi: 10.1007/s00113-023-01297-x. Epub 2023 Apr 20. PMID: 37079057 Free PMC article. Review. German. (IF: 0,8)

11. Using a smartphone application maintains physical activity following pulmonary rehabilitation in patients with COPD: a randomised controlled trial.

Spielmanns M, Gloeckl R, Jarosch I, Leitl D, Schneeberger T, Boeselt T, Huber S, Kaur-Bollinger P, Ulm B, Mueller C, Bjoerklund J, Spielmanns S, Windisch W, Pekacka-Egli AM, Koczulla AR. *Thorax*. 2023 May;78(5):442-450. doi: 10.1136/thoraxjnl-2021-218338. Epub 2022 Apr 21. PMID: 35450945 Free PMC article. Clinical Trial. (IF: 10)

12. Automatic oxygen titration versus constant oxygen flow rates during walking in COPD: a randomised controlled, double-blind, crossover trial.

Schneeberger T, Jarosch I, Leitl D, Gloeckl R, Hitzl W, Dennis CJ, Geyer T, Criée CP, Koczulla AR, Kenn K. *Thorax*. 2023 Apr;78(4):326-334. doi: 10.1136/thoraxjnl-

2020-216509. Epub 2021 Oct 16. PMID: 34656996 Free PMC article. Clinical Trial. (IF: 10)

13. Updated S1 guideline on long/post-COVID: relevant aspects for pain medicine.

Lemhöfer C, Koczulla AR, Meissner W, Häuser W. Schmerz. 2023 Mar 16;1-8. doi: 10.1007/s00482-023-00704-x. Online ahead of print. PMID: 36929455 Free PMC article. Review. German. (IF:

14. S1 Leitlinie Long-/Post-COVID Syndrom.

Gogoll C, Peters EMJ, Köllner V, Koczulla AR. Pflege Z. 2023;76(6):30-33. doi: 10.1007/s41906-023-2076-8. Epub 2023 May 17. PMID: 37216183 Free PMC article. Review. German. (IF: 0,9)

Publikationen 2022

15. German S1 Guideline Long-/Post-COVID.

Koczulla AR, Ankermann T, Behrends U, Berlit P, Berner R, Böing S, Brinkmann F, Frank U, Franke C, Glöckl R, Gogoll C, Häuser W, Hohberger B, Huber G, Hummel T, Köllner V, Krause S, Kronsbein J, Maibaum T, Otto-Thöne A, Pecks U, Peters EMJ, Peters S, Pfeifer M, Platz T, Pletz M, Powitz F, Rabe KF, Scheibenbogen C, Schneider D, Stallmach A, Stegbauer M, Tenenbaum T, Töpfner N, von Versen-Höynck F, Wagner HO, Waller C, Widmann CN, Winterholler C, Wirtz H, Zwick R. Pneumologie. 2022 Dec;76(12):855-907. doi: 10.1055/a-1946-3230. Epub 2022 Dec 7. PMID: 36479679 Free article. German. (IF:0,49)

16. Prescribing and adjusting exercise training in chronic respiratory diseases - Expert-based practical recommendations.

Gloeckl R, Zwick RH, Furlinger U, Jarosch I, Schneeberger T, Leidl D, Koczulla AR, Vonbank K, Alexiou C, Vogiatzis I, Spruit MA. Pulmonology. 2022 Oct 20:S2531-0437(22)00215-X. doi: 10.1016/j.pulmoe.2022.09.004. Online ahead of print. PMID: 36272962 Free article. (IF:3,48)

17. Pulmonary Rehabilitation in Patients with Chronic Obstructive Airway Diseases.

Schultz K, Koczulla AR. Dtsch Med Wochenschr. 2022 Aug;147(15):961-973. doi: 10.1055/a-1854-7286. Epub 2022 Aug 1. PMID: 35915882 German. No abstract available. (IF 0,63)

18. Millimeter-wave gas spectroscopy for breath analysis of COPD patients in comparison to GC-MS.

Rothbart N, Stanley V, Koczulla R, Jarosch I, Holz O, Schmalz K, Hübers HW. J Breath Res. 2022 Jun 28;16(4). doi: 10.1088/1752-7163/ac77aa. PMID: 35688126 (IF:3,26)

19. Sex-specific associations of comorbidome and pulmorbidome with mortality in chronic obstructive pulmonary disease: results from COSYCONET.

Trudzinski FC, Jörres RA, Alter P, Walter J, Watz H, Koch A, John M, Lommatzsch M, Vogelmeier CF, Kauczor HU, Welte T, Behr J, Tufman A, Bals R, Herth FJF, Kahnert K; COSYCONET Study Group. Sci Rep. 2022 May 24;12(1):8790. doi: 10.1038/s41598-022-12828-8. PMID: 35610473 (IF:4,38)

20. Using a smartphone application maintains physical activity following pulmonary rehabilitation in patients with COPD: a randomised controlled trial.
Spielmanns M, Gloeckl R, Jarosch I, Leitl D, Schneeberger T, Boeselt T, Huber S, Kaur-Bollinger P, Ulm B, Mueller C, Bjoerklund J, Spielmanns S, Windisch W, Pekacka-Egli AM, Koczulla AR. *Thorax*. 2022 Apr 21;thoraxjnl-2021-218338. doi: 10.1136/thoraxjnl-2021-218338. Online ahead of print. PMID: 35450945 (IF:9,14)
21. Perceptions of Noninvasive Ventilation During Exercise in Noninvasive Ventilation-Naïve Patients With COPD.
Dennis CJ, Menadue C, Schneeberger T, Leitl D, Schoenheit-Kenn U, Harmer AR, Barnes DJ, Koczulla AR, Kenn K, Alison JA. *Respir Care*. 2022 May;67(5):543-552. doi: 10.4187/respcare.09657. Epub 2022 Mar 22. PMID: 35318238 *Clinical Trial*. (IF: 2.26)
22. Outpatient Pulmonary Rehabilitation in Patients with Long COVID Improves Exercise Capacity, Functional Status, Dyspnea, Fatigue, and Quality of Life.
Nopp S, Moik F, Klok FA, Gattinger D, Petrovic M, Vonbank K, Koczulla AR, Ay C, Zwick RH. *Respiration*. 2022;101(6):593-601. doi: 10.1159/000522118. Epub 2022 Feb 24. PMID: 35203084 (IF:3.55)
23. Rehabilitation bei Post-COVID-19-Patienten - individuell und zielgerichtet.
Leitl D, Schneeberger T, Glöckl R, Jarosch I, Koczulla AR. *Pneumo News*. 2022;14(1):30-39. doi: 10.1007/s15033-022-2806-4. Epub 2022 Feb 16. PMID: 35194469 *Review*. German. No abstract available.
24. Reduced decline of lung diffusing capacity in COPD patients with diabetes and metformin treatment.
Kahnert K, Andreas S, Kellerer C, Lutter JI, Lucke T, Yildirim Ö, Lehmann M, Seissler J, Behr J, Frankenberger M, Bals R, Watz H, Welte T, Trudzinski FC, Vogelmeier CF, Alter P, Jörres RA; COSYCONET Study Group. *Sci Rep*. 2022 Jan 26;12(1):1435. doi: 10.1038/s41598-022-05276-x. PMID: 35082306 (IF:4.9)

Publikationen 2021

25. Guideline S1: Long COVID: Diagnostics and treatment strategies.
Rabady S, Altenberger J, Brose M, Denk-Linnert DM, Fertl E, Götzinger F, de la Cruz Gomez Pellin M, Hofbaur B, Hoffmann K, Hoffmann-Dorninger R, Koczulla R, Lammel O, Lamprecht B, Löffler-Ragg J, Müller CA, Poggenburg S, Rittmannsberger H, Sator P, Strenger V, Vonbank K, Wancata J, Weber T, Weber J, Weiss G, Wendler M, Zwick RH. *Wien Klin Wochenschr*. 2021 Dec;133(Suppl 7):237-278. doi: 10.1007/s00508-021-01974-0. Epub 2021 Dec 1. PMID: 34851455 *German*. (IF:2.27)
26. The pulmonary view on post-/Long-COVID.
Jarosch I, Leitl D, Koczulla AR. *Dtsch Med Wochenschr*. 2021 Nov;146(23):1559-1563. doi: 10.1055/a-1578-0347. Epub 2021 Nov 26. PMID: 34826844 *German*. (IF:0.65)
27. Relationship between body composition, exercise capacity and health-related quality of life in idiopathic pulmonary fibrosis.

Machado FVC, Bloem AEM, Schneeberger T, Jarosch I, Gloeckl R, Winterkamp S, Franssen FME, Koczulla AR, Pitta F, Spruit MA, Kenn K. *BMJ Open Respir Res.* 2021 Oct;8(1):e001039. doi: 10.1136/bmjresp-2021-001039. PMID: 34711642 (IF:4.58)

28. Automatic oxygen titration versus constant oxygen flow rates during walking in COPD: a randomised controlled, double-blind, crossover trial.

Schneeberger T, Jarosch I, Leidl D, Gloeckl R, Hitzl W, Dennis CJ, Geyer T, Criée CP, Koczulla AR, Kenn K. *Thorax.* 2021 Oct 16:thoraxjnl-2020-216509. doi: 10.1136/thoraxjnl-2020-216509. Online ahead of print. PMID: 34656996 (IF:9.20)

29. Health and functional status of tiotropium/olodaterol-treated patients with COPD: results from the AERIAL® non-interventional study.

Gillissen A, Marseille A, Skowasch D, Ritz J, Mattiucci-Guehlke M, Pabst S, Greulich T, Koczulla R. *ERJ Open Res.* 2021 Sep 6;7(3):00004-2021. doi: 10.1183/23120541.00004-2021. eCollection 2021 Jul. PMID: 34513983 (IF:4.20)

30. S1 Guideline Post-COVID/Long-COVID.

Koczulla AR, Ankermann T, Behrends U, Berlitz P, Böing S, Brinkmann F, Franke C, Glöckl R, Gogoll C, Hummel T, Kronsbein J, Maibaum T, Peters EMJ, Pfeifer M, Platz T, Pletz M, Pongratz G, Powitz F, Rabe KF, Scheibenbogen C, Stallmach A, Stegbauer M, Wagner HO, Waller C, Wirtz H, Zeiher A, Zwick RH. *Pneumologie.* 2021 Nov;75(11):869-900. doi: 10.1055/a-1551-9734. Epub 2021 Sep 2. PMID: 34474488 German. (IF:0.41)

31. Pulmonary rehabilitation in long COVID: more than just natural recovery!?

Gloeckl R, Leidl D, Jarosch I, Schneeberger T, Nell C, Stenzel N, Daher A, Dreher M, Vogelmeier CF, Kenn K, Koczulla AR. *ERJ Open Res.* 2021 Aug 31;7(3):00454-2021. doi: 10.1183/23120541.00454-2021. eCollection 2021 Jul. PMID: 34471633 (IF:4.20)

32. Detection of Volatile Organic Compounds as Potential Novel Biomarkers for Chorioamnionitis - Proof of Experimental Models.

Goedicke-Fritz S, Werner T, Niemark HJ, Wolfs TGAM, Baumbach JI, Kemp MW, Jobe AH, Rogosch T, Bous M, Kaiser E, Stutz R, Meyer S, Maier RF, Koczulla AR, Spiller OB, Kramer BW, Zemlin M. *Front Pediatr.* 2021 Jul 22;9:698489. doi: 10.3389/fped.2021.698489. eCollection 2021. PMID: 34368028 (IF:3.42)

33. Diagnostic Accuracy of B-Mode- and Contrast-Enhanced Ultrasound in Differentiating Malignant from Benign Pleural Effusions.

Safai Zadeh E, Weide J, Dietrich CF, Trenker C, Koczulla AR, Görg C. *Diagnostics (Basel).* 2021 Jul 19;11(7):1293. doi: 10.3390/diagnostics11071293. PMID: 34359376 (IF:3.91)

34. Bilevel Noninvasive Ventilation During Exercise Reduces Dynamic Hyperinflation and Improves Cycle Endurance Time in Severe to Very Severe COPD.

Dennis CJ, Menadue C, Schneeberger T, Leidl D, Schoenheit-Kenn U, Hoyos CM, Harmer AR, Barnes DJ, Koczulla AR, Kenn K, Alison JA. *Chest.* 2021 Dec;160(6):2066-2079. doi: 10.1016/j.chest.2021.06.050. Epub 2021 Jul 2. PMID: 34224690 (IF:10.26)

35. Influence of an Acute Exacerbation During Pulmonary Rehabilitation in Patients With Chronic Obstructive Pulmonary Disease Awaiting Lung Transplantation.
Gloeckl R, Jarosch I, Leitl D, Schneeberger T, Nell C, Langer D, Koczulla AR, Kenn K.J Cardiopulm Rehabil Prev. 2021 Jul 1;41(4):267-270. doi: 10.1097/HCR.0000000000000613.PMID: 34158456 (IF:3.04)
36. Gender specific airway gene expression in COPD sub-phenotypes supports a role of mitochondria and of different types of leukocytes.
Esteve-Codina A, Hofer TP, Burggraf D, Heiss-Neumann MS, Gesierich W, Boland A, Olaso R, Bihoreau MT, Deleuze JF, Moeller W, Schmid O, Soler Artigas M, Renner K, Hohlfeld JM, Welte T, Fuehner T, Jerrentrup L, Koczulla AR, Greulich T, Prasse A, Müller-Quernheim J, Gupta S, Brightling C, Subramanian DR, Parr DG, Kolsum U, Gupta V, Barta I, Döme B, Strausz J, Stendardo M, Piattella M, Boschetto P, Korzybski D, Gorecka D, Nowinski A, Dabad M, Fernández-Callejo M, Endesfelder D, Zu Castell W, Hiemstra PS, Venge P, Noessner E, Griebel T, Heath S, Singh D, Gut I, Ziegler-Heitbrock L.Sci Rep. 2021 Jun 18;11(1):12848. doi: 10.1038/s41598-021-91742-x.PMID: 34145303 (IF:4.99)
37. Pulmonary Rehabilitation in Patients with Chronic Obstructive Airway Diseases.
Schultz K, Koczulla AR.Pneumologie. 2021 Jun;75(6):457-473. doi: 10.1055/a-1239-0026. Epub 2021 Jun 11.PMID: 34116577 German. (IF:0.49)
38. Benefits of pulmonary rehabilitation in COVID-19: a prospective observational cohort study.
Gloeckl R, Leitl D, Jarosch I, Schneeberger T, Nell C, Stenzel N, Vogelmeier CF, Kenn K, Koczulla AR.ERJ Open Res. 2021 May 31;7(2):00108-2021. doi: 10.1183/23120541.00108-2021. eCollection 2021 Apr.PMID: 34095290 (IF:4.20)
39. Benefits of pulmonary rehabilitation in COPD patients with mild cognitive impairment - A pilot study.
Andrianopoulos V, Gloeckl R, Schneeberger T, Jarosch I, Vogiatzis I, Hume E, Koczulla RA, Kenn K.Respir Med. 2021 Aug-Sep;185:106478. doi: 10.1016/j.rmed.2021.106478. Epub 2021 May 23.PMID: 34038843 (IF:4.58)
40. Technical Innovations in Pneumology: E-Health, Screening, Diagnostics, and Therapy.
Herkenrath SD, Dreher M, Gompelmann D, Held M, Koczulla AR, Köhnlein T, Rohde G, Wälscher J, Watz H, Randerath WJ.Respiration. 2021;100(10):1009-1015. doi: 10.1159/000516335. Epub 2021 May 7.PMID: 33965942 Review. (IF:3.55)
41. Referral to pulmonary rehabilitation and its options for chronic lung disease patients.
Jarosch I, Schneeberger T, Glöckl R, Leitl D, Koczulla AR.MMW Fortschr Med. 2021 May;163(9):40-47. doi: 10.1007/s15006-021-9811-0.PMID: 33961258 Review. German. No abstract available.(IF:0.03)
42. Whole-body vibration training versus conventional balance training in patients with severe COPD-a randomized, controlled trial.

Gloeckl R, Schneeberger T, Leidl D, Reinold T, Nell C, Jarosch I, Kenn K, Koczulla AR. *Respir Res.* 2021 May 4;22(1):138. doi: 10.1186/s12931-021-01688-x. PMID: 33947416 Clinical Trial. (IF:6.64)

43. Newly detected rapid eye movement associated sleep apnea after coronavirus disease 2019 as a possible cause for chronic fatigue: two case reports.

Koczulla AR, Stegemann A, Gloeckl R, Winterkamp S, Szczepanski B, Boeselt T, Storre J, Dreher M. *J Med Case Rep.* 2021 Apr 22;15(1):211. doi: 10.1186/s13256-021-02819-0. PMID: 33888154 (IF:1.07)

44. Constitutive immune activity promotes JNK- and FoxO-dependent remodeling of Drosophila airways.

Wagner C, Uliczka K, Bossen J, Niu X, Fink C, Thiedmann M, Knop M, Vock C, Abdelsadik A, Zissler UM, Isermann K, Garn H, Pieper M, Wegmann M, Koczulla AR, Vogelmeier CF, Schmidt-Weber CB, Fehrenbach H, König P, Silverman N, Renz H, Pfefferle P, Heine H, Roeder T. *Cell Rep.* 2021 Apr 6;35(1):108956. doi: 10.1016/j.celrep.2021.108956. PMID: 33826881 (IF:9.99)

45. Physiotherapie bei chronischem Husten – Schritt für Schritt.

Schneeberger T, Weise S, Kenn K, Koczulla AR. *Pneumologie.* 2021 Mar;75(3):226-234. doi: 10.1055/a-1114-1539. Epub 2021 Mar 16. PMID: 33728630 German. No abstract available. (IF:0.49)

46. Protocol for an observational study to identify potential predictors of an acute exacerbation in patients with chronic obstructive pulmonary disease (the PACE Study).

Kenn K, Gloeckl R, Leidl D, Schneeberger T, Jarosch I, Hitzl W, Alter P, Szczepanski B, Winterkamp S, Boensch M, Schade-Brittinger C, Skevaki C, Holz O, Jones PW, Vogelmeier CF, Koczulla AR. *BMJ Open.* 2021 Feb 8;11(2):e043014. doi: 10.1136/bmjopen-2020-043014. PMID: 33558356 (IF:3.00)

Publikationen 2020

47. Improving the Lives of Patients with Alpha-1 Antitrypsin Deficiency

Sandhaus RA, Strange C, Zanichelli A, Skålvoll K, Koczulla AR, Stockley RA. *Int J Chron Obstruct Pulmon Dis.* 2020 Dec 10;15:3313-3322. doi: 10.2147/COPD.S276773. eCollection 2020. PMID: 33328731 Review. (IF:3.35)

48. What can pulmonary rehabilitation accomplish?

Schneeberger T, Jarosch I, Koczulla AR. *Dtsch Med Wochenschr.* 2020 Dec;145(24):1782-1785. doi: 10.1055/a-1129-3375. Epub 2020 Nov 30. PMID: 33254254 German. (IF:0.32)

49. The Distribution of Alpha-1 Antitrypsin Genotypes Between Patients with COPD/Emphysema, Asthma and Bronchiectasis

Veith M, Tüffers J, Peychev E, Klemmer A, Kotke V, Janciauskiene S, Wilhelm S, Bals R, Koczulla AR, Vogelmeier CF, Greulich T. *Int J Chron Obstruct Pulmon Dis.* 2020 Nov 6;15:2827-2836. doi: 10.2147/COPD.S271810. eCollection 2020. PMID: 33192056 (IF:3.35)

50. Benefits of pulmonary rehabilitation in COVID-19 – a prospective observational cohort study

Authors: Rainer Gloeckl PhD* 1,2, Daniela Leidl MSc* 1,2, Tessa Schneeberger 1,2, Inga Jarosch 1,2, Christoph Nell PhD³, Nikola Stenzel PhD⁴, Claus F. Vogelmeier MD⁵, Klaus Kenn MD^{1,2}, Andreas R. Koczulla MD ERJ Open Res. 2021 May 31;7(2):00108-2021. doi: 10.1183/23120541.00108-2021. eCollection 2021 Apr. PMID: 34095290 (IF:4.20)

51. Improving the Lives of Patients with Alpha-1 Antitrypsin Deficiency,

Sandhaus Robert, Charlie Strange, Andrea Zanichelli, Karen Skålvoll, Andreas Rembert Koczulla, Robert A Stockley
Int J Chron Obstruct Pulmon Dis. 2020 (IF:3.35)

52. What can pulmonary rehabilitation accomplish?

Schneeberger T, Jarosch I, Koczulla AR. Dtsch Med Wochenschr. 2020 Dec;145(24):1782-1785. doi: 10.1055/a-1129-3375. Epub 2020 Nov 30. PMID: 33254254 German. (IF:0,32)

53. The Distribution of Alpha-1 Antitrypsin Genotypes Between Patients with COPD/Emphysema, Asthma and Bronchiectasis.

Veith M, Tüffers J, Peychev E, Klemmer A, Kotke V, Janciauskiene S, Wilhelm S, Bals R, Koczulla AR, Vogelmeier CF, Greulich T. Int J Chron Obstruct Pulmon Dis. 2020 Nov 6;15:2827-2836. doi: 10.2147/COPD.S271810. eCollection 2020. PMID: 33192056 (IF:3.35)

54. 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)

55. Benefits of pulmonary rehabilitation in patients with advanced lymphangioleiomyomatosis (LAM) compared with COPD - a retrospective analysis.

Gloeckl R, Nell C, Schneeberger T, Jarosch I, Boensch M, Watz H, Wirtz H, Welte T, Kenn K, Koczulla AR. Orphanet J Rare Dis. 2020 Sep 22;15(1):255. doi: 10.1186/s13023-020-01540-3. PMID: 32962746 (IF:3.51)

56. Effects of Vibration Training in Interstitial Lung Diseases: A Randomized Controlled Trial.

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