## Andrã Karch

## List of Publications by Year

 in descending orderSource: https:/|exaly.com/author-pdf/8624305/publications.pdf
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| 1 | Global, regional, and national ageâ€"sex specific all-cause and cause-specific mortality for 240 causes of death, 1990 ấ $€$ "2013: a systematic analysis for the Global Burden of Disease Study 2013. Lancet, The, 2015, 385, 117-171. | 13.7 | 5,847 |
| :---: | :---: | :---: | :---: |
| 2 | Global, regional, and national incidence, prevalence, and years lived with disability for 310 diseases and injuries, 1990ấ "2015: a systematic analysis for the Clobal Burden of Disease Study 2015. Lancet, The, 2016, 388, 1545-1602. | 13.7 | 5,298 |
| 3 | Global, regional, and national incidence, prevalence, and years lived with disability for 301 acute and chronic diseases and injuries in 188 countries, 1990ấ"2013: a systematic analysis for the Global Burden of Disease Study 2013. Lancet, The, 2015, 386, 743-800. | 13.7 | 4,951 |
| 4 | Global, regional, and national life expectancy, all-cause mortality, and cause-specific mortality for 249 causes of death, 1980â€"2015: a systematic analysis for the Global Burden of Disease Study 2015. Lancet, The, 2016, 388, 1459-1544. | 13.7 | 4,934 |
| 5 | Global, regional, and national comparative risk assessment of 79 behavioural, environmental and occupational, and metabolic risks or clusters of risks, 1990ấ" 2015 : a systematic analysis for the Clobal Burden of Disease Study 2015. Lancet, The, 2016, 388, 1659-1724. | 13.7 | 4,203 |
| 6 | Global, regional, and national age-sex specific mortality for 264 causes of death, 1980â€"2016: a systematic analysis for the Global Burden of Disease Study 2016. Lancet, The, 2017, 390, 1151-1210. | 13.7 | 3,565 |
| 7 | Global, regional, and national burden of neurological disorders, 1990ấ"2016: a systematic analysis for the Global Burden of Disease Study 2016. Lancet Neurology, The, 2019, 18, 459-480. | 10.2 | 2,625 |
| 8 | Global, regional, and national burden of stroke and its risk factors, 1990ấ" 2019 : a systematic analysis for the Global Burden of Disease Study 2019. Lancet Neurology, The, 2021, 20, 795-820. | 10.2 | 2,308 |
| 9 | Global, regional, and national comparative risk assessment of 79 behavioural, environmental and occupational, and metabolic risks or clusters of risks in 188 countries, 1990ấ" 2013 : a systematic analysis for the Global Burden of Disease Study 2013. Lancet, The, 2015, 386, 2287-2323. | 13.7 | 2,184 |
| 10 | Global, regional, and national burden of stroke, 1990â€"2016: a systematic analysis for the Global Burden of Disease Study 2016. Lancet Neurology, The, 2019, 18, 439-458. | 10.2 | 2,005 |
| 11 | Global, regional, and national comparative risk assessment of 84 behavioural, environmental and occupational, and metabolic risks or clusters of risks, 1990ấ" 2016 : a systematic analysis for the Global Burden of Disease Study 2016. Lancet, The, 2017, 390, 1345-1422. | 13.7 | 1,879 |
| 12 | Global, regional, and national disability-adjusted life-years (DALYs) for 315 diseases and injuries and healthy life expectancy (HALE), 1990ấ "2015: a systematic analysis for the Global Burden of Disease Study 2015. Lancet, The, 2016, 388, 1603-1658. | 13.7 | 1,612 |


| Global, regional, and national disability-adjusted life-years (DALYs) for 333 diseases and injuries and |  |
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| healthy life expectancy (HALE) for 195 cjuntries and territories, 1990ấ"2016: a systematic analysis for |  |
| the Clobal Burden of Disease Study 2016. Lancet, The, 2017,390, 1260-1344. |  |

Global, regional, and national disability-adjusted life years (DALYs) for 306 diseases and injuries and
14 healthy life expectancy (HALE) for 188 countries, 1990â€"2013: quantifying the epidemiological transition. Lancet, The, 2015, 386, 2145-2191.

| 19 | Global, regional, and national incidence and mortality for HIV, tuberculosis, and malaria during 1990ấ $\epsilon^{\text {"2013: a systematic analysis for the Global Burden of Disease Study 2013. Lancet, The, 2014, 384, }}$ 1005-1070. | 13.7 | 786 |
| :---: | :---: | :---: | :---: |
| 20 | Global, regional, and national levels of maternal mortality, 1990ấ"2015: a systematic analysis for the Global Burden of Disease Study 2015. Lancet, The, 2016, 388, 1775-1812. | 13.7 | 740 |
| 21 | Measuring performance on the Healthcare Access and Quality Index for 195 countries and territories and selected subnational locations: a systematic analysis from the Global Burden of Disease Study 2016. Lancet, The, 2018, 391, 2236-2271. | 13.7 | 638 |
| 22 | Global, regional, and national under-5 mortality, adult mortality, age-specific mortality, and life expectancy, 1970ấ"2016: a systematic analysis for the Global Burden of Disease Study 2016. Lancet, The, 2017, 390, 1084-1150. | 13.7 | 573 |
| 23 | Global, regional, national, and selected subnational levels of stillbirths, neonatal, infant, and under-5 mortality, 1980ấ"2015: a systematic analysis for the Global Burden of Disease Study 2015. Lancet, The, 2016, 388, 1725-1774. | 13.7 | 571 |
| 24 | Healthcare Access and Quality Index based on mortality from causes amenable to personal health care in 195 countries and territories, 1990ấ" 2015 : a novel analysis from the Global Burden of Disease Study 2015. Lancet, The, 2017, 390, 231-266. | 13.7 | 480 |
| 25 | Global and National Burden of Diseases and Injuries Among Children and Adolescents Between 1990 and 2013. JAMA Pediatrics, 2016, 170, 267. | 6.2 | 479 |
| 26 | Estimates of global, regional, and national incidence, prevalence, and mortality of HIV, 1980ấ" 2015 : the Global Burden of Disease Study 2015. Lancet HIV,the, 2016, 3, e361-e387. | 4.7 | 461 |
| 27 | Measuring the health-related Sustainable Development Goals in 188 countries: a baseline analysis from the Clobal Burden of Disease Study 2015. Lancet, The, 2016, 388, 1813-1850. | 13.7 | 413 |

Colonic Butyrate-Producing Communities in Humans: an Overview Using Omics Data. MSystems, 2017, 2, $3.8 \quad 328$

| 29 | Mortality, morbidity, and hospitalisations due to influenza lower respiratory tract infections, 2017: an analysis for the Global Burden of Disease Study 2017. Lancet Respiratory Medicine,the, 2019, 7, 69-89. | 10.7 | 326 |
| :---: | :---: | :---: | :---: |
| 30 | Measuring progress and projecting attainment on the basis of past trends of the health-related Sustainable Development Goals in 188 countries: an analysis from the Global Burden of Disease Study 2016. Lancet, The, 2017, 390, 1423-1459. | 13.7 | 284 |
| 31 | Global, regional, and national burden of meningitis, 1990ấ"2016: a systematic analysis for the Clobal Burden of Disease Study 2016. Lancet Neurology, The, 2018, 17, 1061-1082. | 10.2 | 221 |
| 32 | Bacterial community structure and effects of picornavirus infection on the anterior nares microbiome in early childhood. BMC Microbiology, 2019, 19, 1. | 3.3 | 217 |
| 33 | Measuring inter-rater reliability for nominal data $\hat{\not} €^{\prime \prime}$ which coefficients and confidence intervals are appropriate?. BMC Medical Research Methodology, 2016, 16, 93. | 3.1 | 207 |
| 34 | Stability and Reproducibility Underscore Utility of RT-QuIC for Diagnosis of Creutzfeldt-Jakob Disease. Molecular Neurobiology, 2016, 53, 1896-1904. | 4.0 | 161 |
| 35 | Cerebrospinal fluid biomarker supported diagnosis of Creutzfeldtâ $\epsilon^{\text {"JJakob disease and rapid dementias: }}$ a longitudinal multicentre study over 10 years. Brain, 2012, 135, 3051-3061. | 7.6 | 135 |
| 36 | Feasibility, Safety, and Outcome of Endovascular Recanalization in Childhood Stroke. JAMA Neurology, 2020, 77, 25. | 9.0 | 107 |

Quantifying risks and interventions that have affected the burden of lower respiratory infections

40 among children younger than 5 years: an analysis for the Global Burden of Disease Study 2017. Lancet | Infectious Diseases, The, 2020, 20, 60-79. |
| :--- |
| Measuring routine childhood vaccination coverage in 204 countries and territories, 1980ấ"2019: a |
| systematic analysis for the Global Burden of Disease Study 2020, Release 1. Lancet, The, 2021, 398, |
| 503-521. |

42 Guidelines and recommendations for ensuring Good Epidemiological Practice (GEP): a guideline developed by the German Society for Epidemiology. European Journal of Epidemiology, 2019, 34, 301-317.
5.7

89
Validation of 14-3-3 Protein as a Marker in Sporadic Creutzfeldt-Jakob Disease Diagnostic. Molecular
Neurobiology, 2016, 53, 2189-2199.

| 47 | Development and validation of a diagnostic model for early differentiation of sepsis and non-infectious SIRS in critically ill children - a data-driven approach using machine-learning algorithms. BMC Pediatrics, 2018, 18, 112. | 1.7 | 64 |
| :---: | :---: | :---: | :---: |
| 48 | Comparative analysis of cerebrospinal fluid biomarkers in the differential diagnosis of neurodegenerative dementia. Alzheimer's and Dementia, 2016, 12, 577-589. | 0.8 | 63 |
| 49 | Cerebrospinal fluid neurofilament light levels in neurodegenerative dementia: Evaluation of diagnostic accuracy in the differential diagnosis of prion diseases. Alzheimer's and Dementia, 2018, 14, 751-763. | 0.8 | 61 |

50 Development of the Standards of Reporting of Neurological Disorders (STROND) checklist.
59 and territories, 1990â€"2019: a systematic analysis from the Global Burden of Disease Study 2019. Lancet ..... $10.0 \quad 38$
Public Health, The, 2021, 6, e482-e499.
Development of the standards of reporting of neurological disorders (STROND) checklist: a guideline60 for the reporting of incidence and prevalence studies in neuroepidemiology. European Journal of5.7Epidemiology, 2015, 30, 569-576.
61 Validation of $\hat{I}_{ \pm}$-Synuclein as a CSF Biomarker for Sporadic Creutzfeldt-Jakob Disease. Molecular $61 \quad$ Neurobiology, 2018, 55, 2249-2257. 4.0 ..... 3462 Effects of Workflow Optimization in Endovascularly Treated Stroke Patients â€" A Pre-PostEffectiveness Study. PLoS ONE, 2016, 11, e0169192.2.5
63 Proposing an Empirically Justified Reference Threshold for Blood Culture Sampling Rates in Intensive ..... 3.9 ..... 33
Care Units. Journal of Clinical Microbiology, 2015, 53, 648-652.
Cerebrospinal fluid tau levels are a marker for molecular subtype in sporadic Creutzfeldt-Jakob disease. Neurobiology of Aging, 2015, 36, 1964-1968. ..... 3.1 ..... 32
65 Survival of children after liver transplantation for hepatocellular carcinoma. Liver Transplantation,
2018, 24, 246-255. 2.4 ..... 32
Subnational mapping of HIV incidence and mortality among individuals aged 15 â€" 49 years in sub-Saharan ..... 4.7 ..... 32 Africa, 2000â€"18: a modelling study. Lancet HIV,the, 2021, 8, e363-e375.
$1.1 \quad 31$

Factors associated with attrition in a longitudinal online study: results from the HaBIDS panel. BMC
BMC Medicine, 2021, 19, 271.

Physical activity, sedentary behavior and risk of coronary artery disease, myocardial infarction and
A prognostic model for overall survival in sporadic Creutzfeldtâ€łakob disease. Alzheimer's and
Dementia, 2020, 16, 1438-1447.

Does Device Selection Impact Recanalization Rate and Neurological Outcome?. Stroke, 2020, 51, 1182-1189.

Current and future effects of varicella and herpes zoster vaccination in Germany â€" Insights from a
75 mathematical model in a country with universal varicella vaccination. Human Vaccines and
3.3

Immunotherapeutics, 2016, 12, 1-11.
Deciding on the mode of birth after a previous caesarean section â $\epsilon^{\prime \prime}$ An online survey investigating women's preferences in Western Switzerland. Midwifery, 2017, 50, 219-227.
2.3
<scp>CDK</scp>5 protects from caspaseâ€induced Ataxinâ€3 cleavage and neurodegeneration. Journal of Neurochemistry, 2014, 129, 1013-1023.

Cerebrospinal Fluid Total Prion Protein in the Spectrum of Prion Diseases. Molecular Neurobiology, 2019, 56, 2811-2821.

Knowledge, attitude and practice of Gambian health practitioners towards antibiotic prescribing and
79 microbiological testing: a cross-sectional survey. Transactions of the Royal Society of Tropical
1.8

Medicine and Hygiene, 2017, 111, 117-124.

80 Sociodemographic determinants of spatial disparities in early childhood caries: An ecological analysis in Braunschweig, Germany. Community Dentistry and Oral Epidemiology, 2017, 45, 442-448.

81 Role of penA polymorphisms for penicillin susceptibility in Neisseria lactamica and Neisseria
81 meningitidis. International Journal of Medical Microbiology, 2015, 305, 729-735.
1.5
83 Influence of demographic changes on the impact of vaccination against varicella and herpes zoster in Germany â $€^{\text {" }}$ a mathematical modelling study. BMC Medicine, 2018, 16, 3.

Cerebrospinal fluid neurofilament light in suspected sporadic Creutzfeldt-Jakob disease. Journal of
84 Clinical Neuroscience, 2019, 60, 124-127.
1.5

18

Higher Trimethylamine- <i>N</i>-Oxide Plasma Levels with Increasing Age Are Mediated by Diet and
Trimethylamine-Forming Bacteria. MSystems, 2021, 6, e0094521.

Richness estimation in microbiome data obtained from denoising pipelines. Computational and Structural Biotechnology Journal, 2022, 20, 508-520.
4.1

18

Lifetime and current depression in the German National Cohort (NAKO). World Journal of Biological
Psychiatry, 2023, 24, 865-880.

Investigating the Association of ApoE Genotypes with Blood-Brain Barrier Dysfunction Measured by
Cerebrospinal Fluid-Serum Albumin Ratio in a Cohort of Patients with Different Types of Dementia.
2.5

PLoS ONE, 2013, 8, e84405.
Feasibility of a birth cohort study dedicated to assessing acute infections using symptom diaries and
parental collection of biomaterials. BMC Infectious Diseases, 2015, 15, 436.
2.9

17

Partial verification bias and incorporation bias affected accuracy estimates of diagnostic studies for biomarkers that were part of an existing composite gold standard. Journal of Clinical Epidemiology, 2016, 78, 73-82.
91 Physical activity and risk of Alzheimer disease. Neurology, 2020, 95, e1897-e1905. ..... 1.1 ..... 17
Antibiotic use on paediatric inpatients in a teaching hospital in the Cambia, a retrospective study.
Herpes zoster incidence in Germany - an indirect validation study for self-reported disease data from
pretest studies of the population-based German National Cohort. BMC Infectious Diseases, 2019,

$94 \quad$| Explanation and Elaboration of the Standards of Reporting of Neurological Disorders Checklist: A |
| :--- |
| Guideline for the Reporting of Incidence and Prevalence Studies in Neuroepidemiology. |

    Neuroepidemiology, 2015, 45, 113-137.
    Poor knowledge of vaccination recommendations and negative attitudes towards vaccinations are
    95 independently associated with poor vaccination uptake among adults â $€^{\text {s }}$ Findings of a population-based
$3.8 \quad 15$
panel study in Lower Saxony, Germany. Vaccine, 2018, 36, 2417-2426.

96 Relevance of intra-hospital patient movements for the spread of healthcare-associated infections within hospitals - a mathematical modeling study. PLoS Computational Biology, 2021, 17, e1008600.
Association between Embolic Stroke Patterns, ESUS Etiology, and New Diagnosis of Atrial Fibrillation:
97 A Secondary Data Analysis of the Find-AF Trial. Stroke Research and Treatment, 2017, 2017, 1-6.
Data Analysis Strategies for Microbiome Studies in Human Populationsâ€"a Systematic Review ofCurrent Practice. MSystems, 2021, 6, .$0.8 \quad 14$
99 Care for MRSA carriers in the outpatient sector: a survey among MRSA carriers and physicians in two regions in Germany. BMC Infectious Diseases, 2016, 16, 184.
Immune monitoring after pediatric liver transplantation â€" the prospective ChilSFree cohort study.
BMC Gastroenterology, 2018, 18, 63.$2.0 \quad 12$
The relevance of body mass index in forensic age assessment of living individuals: an age-adjusted
101 linear regression analysis using multivariable fractional polynomials. International Journal of LegalMedicine, 2020, 134, 1861-1868.
102 Labour duration and timing of interventions in women planning vaginal birth after caesarean section.2.311Midwifery, 2016, 34, 221-229.Optimized Management of Endovascular Treatment for Acute Ischemic Stroke. Journal of Visualized1030.311
Experiments, 2018, , .2.910Changes in risk perceptions during the 2014 Ebola virus disease epidemic: results of two consecutivesurveys among the general population in Lower Saxony, Germany. BMC Public Health, 2018, 18, 628.
CADDIE2â€"evaluation of a clinical decision-support system for early detection of systemic
105 inflammatory response syndrome in paediatric intensive care: study protocol for a diagnostic study. ..... 1.9 ..... 10
BMJ Open, 2019, 9, e028953.Bloodstream infections, antibiotic resistance and the practice of blood culture sampling in Germany:106 study design of a Thuringia-wide prospective population-based study (AlertsNet). BMJ Open, 2015, 5,1.9e009095.
Stratification by Genetic and Demographic Characteristics Improves Diagnostic Accuracy of2.68
54, 1385-1393.

| 109 | Clinical evaluation of an interoperable clinical decision-support system for the detection of systemic inflammatory response syndrome in critically ill children. BMC Medical Informatics and Decision Making, 2021, $21,62$. | 3.0 | 8 |
| :---: | :---: | :---: | :---: |
| 110 | Modelling pathogen spread in a healthcare network: Indirect patient movements. PLoS Computational Biology, 2020, 16, e1008442. | 3.2 | 8 |
| 111 | On the issue of transmissibility of Alzheimer disease. Prion, 2012, 6, 447-452. | 1.8 | 7 |
| 112 | Plaque morphology detected with Duplex ultrasound before carotid angioplasty and stenting (CAS) is not a predictor of carotid artery in-stent restenosis, a case control study. BMC Neurology, 2013, 13, 163. | 1.8 | 7 |
| 113 | Diagnostic profiles of patients with late-onset Creutzfeldtấ ${ }^{\prime \prime}$ Jakob disease differ from those of younger Creutzfeldtâ $€^{\prime \prime}$ Jakob patients: a historical cohort study using data from the German National Reference Center. Journal of Neurology, 2014, 261, 877-883. | 3.6 | 7 |
| 114 | Clinical Relevance of Patent Foramen Ovale and Atrial Septum Aneurysm in Stroke: Findings of a Single-Center Cross-Sectional Study. European Neurology, 2017, 78, 264-269. | 1.4 | 7 |
| 115 | Low flow in the left atrial appendage assessed by transesophageal echocardiography is associated with increased stroke severityâ€"Results of a single-center cross-sectional study. International Journal of Stroke, 2019, 14, 423-429. | 5.9 | 7 |

117 Effect of Disease Definition on Perceived Burden of Acute Respiratory Infections in Children. Pediatric ..... 2.0
6
118 Perceptions of Zika virus risk in Germany in 2016. European Journal of Public Health, 2018, 28, 139-144. ..... 0.3
119 Side effects and efficacy of renal sparing immunosuppression in pediatric liver transplantationấ"A
single center matched cohort study. Pediatric Transplantation, 2018, 22, e13207.
1.0 ..... 6
120 Physical activity and Parkinsonâ $€^{T M}$ s disease: a two-sample Mendelian randomisation study. Journal ofNeurology, Neurosurgery and Psychiatry, 2021, 92, 334-335.
1.9 ..... 6Diagnostic accuracy of cerebrospinal fluid biomarkers for the differential diagnosis of sporadic
121 Creutzfeldtâ€"Jakob disease: â̂(network) metaâ€analysis. European Journal of Neurology, 2022, 29,3.31366-1376.
$122 \quad$ A comparison of1.15

Transcranial doppler sonography is not a valid diagnostic tool for detection of basilar artery

1.8

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stenosis or in-stent restenosis: a retrospective diagnostic study. BMC Neurology, 2017, 17, 89.

Transmission of respiratory and gastrointestinal infections in German households with children attending child care. Epidemiology and Infection, 2018, 146, 627-632.
127

Seropositivity for pathogens associated with chronic infections is a risk factor for all-cause
127 mortality in the elderly: findings from the Memory and Morbidity in Augsburg Elderly (MEMO) Study.
4.6 GeroScience, 2020, 42, 1365-1376.

128 Development and external validation of a clinical prediction model for MRSA carriage at hospital admission in Southeast Lower Saxony, Germany. Scientific Reports, 2020, 10, 17998.
3.3

5

Age-dependent decrease in dental pulp cavity volume as a feature for age assessment: a comparative in
129 vitro study using 9.4-T UTE-MRI and CBCT 3D imaging. International Journal of Legal Medicine, 2021, 135,
$2.2 \quad 5$ 1599-1609.

130 Symptom Burden and Factors Associated with Acute Respiratory Infections in the First Two Years of Lifeâ $€$ "Results from the LoewenKIDS Cohort. Microorganisms, 2022, 10, 111.
3.65

131 Effects of pathogen dependency in a multi-pathogen infectious disease system including population
level heterogeneity â€" a simulation study. Theoretical Biology and Medical Modelling, 2017, 14, 26.
$2.1 \quad 4$

Vaccinations and Infections Are Associated With Unrelated Antibody Titers: An Analysis From the
German Birth Cohort Study LISA. Frontiers in Pediatrics, 2019, 7, 254.
1.9

Cohort Profile: The LoewenKIDS Study â $€^{\text {" }}$ life-course perspective on infections, the microbiome and the
133 development of the immune system in early childhood. International Journal of Epidemiology, 2019, 48, 1042-1043h.

Risk estimation for air travel-induced malaria transmission in central Europe â $\epsilon^{\prime \prime}$ A mathematical modelling study. Travel Medicine and Infectious Disease, 2020, 36, 101564.

135 The transplant cohort of the German center for infection research (DZIF Tx-Cohort): study design and baseline characteristics. European Journal of Epidemiology, 2021, 36, 233-241.

Effects of incomplete inter-hospital network data on the assessment of transmission dynamics of hospital-acquired infections. PLoS Computational Biology, 2021, 17, e1008941.
3.2

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137 Generating Synthetic Populations Based On German Census Data. , 2021, , .
3

Providing laypeople with results from dynamic infectious disease modelling studies affects their
138 allocation preference for scarce medical resourcesâ€"a factorial experiment. BMC Public Health, 2022,
2.9 22, 572.
139 Implementation of preventive measures against tick-borne infections in a non-endemic area for
139 tick-borne encephalitisâ€"Results from a population-based survey in Lower Saxony, Germany. Ticks and
$2.7 \quad 2$
Tick-borne Diseases, 2019, 10, 614-620.
140 Randomized, Placebo-Controlled Trial or Post Hoc Subgroup Analysis: The Importance of Standardized
$4.0 \quad 1$ and Comprehensive Reporting. Journal of Infectious Diseases, 2014, 210, 158-159.

Standardized surveillance of prion diseases in resource-poor settings is crucial for individual
141 patient-care as well as for decision-making of healthcare authorities. Journal of Neurosciences in
$0.8 \quad 1$
Rural Practice, 2015, 6, 004-005.

142 Modern burden of disease studies as a basis for decision-making processes in public health. Deutsches

