

Benjamin Mayer

List of Publications by Year in descending order

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Version: 2024-02-01

100
papers

2,600
citations

201385

27
h-index

243296

44
g-index

102
all docs

102
docs citations

102
times ranked

4629
citing authors

#	ARTICLE	IF	CITATIONS
1	Neurofilament light chain in serum for the diagnosis of amyotrophic lateral sclerosis. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2019, 90, 157-164.	0.9	174
2	Heterologous ChAdOx1 nCoV-19 and BNT162b2 prime-boost vaccination elicits potent neutralizing antibody responses and T cell reactivity against prevalent SARS-CoV-2 variants. <i>EBioMedicine</i> , 2022, 75, 103761.	2.7	104
3	The fecal microbiome of ALS patients. <i>Neurobiology of Aging</i> , 2018, 61, 132-137.	1.5	102
4	Serum microRNAs in patients with genetic amyotrophic lateral sclerosis and pre-manifest mutation carriers. <i>Brain</i> , 2014, 137, 2938-2950.	3.7	91
5	New Onset of Diabetes and Pancreatic Exocrine Insufficiency After Pancreaticoduodenectomy for Benign and Malignant Tumors. <i>Annals of Surgery</i> , 2018, 267, 259-270.	2.1	89
6	Hemorrhagic shock drives glycocalyx, barrier and organ dysfunction early after polytrauma. <i>Journal of Critical Care</i> , 2018, 44, 229-237.	1.0	89
7	Alpha-1 antitrypsin inhibits TMPRSS2 protease activity and SARS-CoV-2 infection. <i>Nature Communications</i> , 2021, 12, 1726.	5.8	86
8	Serum neurofilament light chain in behavioral variant frontotemporal dementia. <i>Neurology</i> , 2018, 91, e1390-e1401.	1.5	85
9	Results of the CAPSID randomized trial for high-dose convalescent plasma in patients with severe COVID-19. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	72
10	Semen enhances HIV infectivity and impairs the antiviral efficacy of microbicides. <i>Science Translational Medicine</i> , 2014, 6, 262ra157.	5.8	69
11	Stigma as a stressor and transition to schizophrenia after one year among young people at risk of psychosis. <i>Schizophrenia Research</i> , 2015, 166, 43-48.	1.1	65
12	Serum microRNAs in sporadic amyotrophic lateral sclerosis. <i>Neurobiology of Aging</i> , 2015, 36, 2660.e15-2660.e20.	1.5	64
13	Diagnostic and prognostic significance of neurofilament light chain NF-L, but not progranulin and S100B, in the course of amyotrophic lateral sclerosis: Data from the German MND-net. <i>Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration</i> , 2017, 18, 112-119.	1.1	63
14	Heterozygous <i>Tbk1</i> loss has opposing effects in early and late stages of ALS in mice. <i>Journal of Experimental Medicine</i> , 2019, 216, 267-278.	4.2	57
15	Polymerase chain reaction and Southern blot-based analysis of the C9orf72 hexanucleotide repeat in different motor neuron diseases. <i>Neurobiology of Aging</i> , 2014, 35, 1214.e1-1214.e6.	1.5	55
16	Proteasome impairment by α -synuclein. <i>PLoS ONE</i> , 2017, 12, e0184040.	1.1	49
17	LDHA in Neuroblastoma Is Associated with Poor Outcome and Its Depletion Decreases Neuroblastoma Growth Independent of Aerobic Glycolysis. <i>Clinical Cancer Research</i> , 2018, 24, 5772-5783.	3.2	48
18	Duodenum-preserving total and partial pancreatic head resection for benign tumors – Systematic review and meta-analysis. <i>Pancreatology</i> , 2015, 15, 167-178.	0.5	44

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19	Parenchyma-Sparing, Limited Pancreatic Head Resection for Benign Tumors and Low-Risk Periapillary Cancer—a Systematic Review. <i>Journal of Gastrointestinal Surgery</i> , 2016, 20, 206-217.	0.9	44
20	Semen inhibits Zika virus infection of cells and tissues from the anogenital region. <i>Nature Communications</i> , 2018, 9, 2207.	5.8	41
21	Impact of age and gender on tumor related prognosis in gastrointestinal stromal tumors (GIST). <i>BMC Cancer</i> , 2015, 15, 57.	1.1	39
22	Comparison of CSF and serum neurofilament light and heavy chain as differential diagnostic biomarkers for ALS. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2022, 93, 68-74.	0.9	39
23	Autism-associated SHANK3 mutations impair maturation of neuromuscular junctions and striated muscles. <i>Science Translational Medicine</i> , 2020, 12, .	5.8	38
24	Development of a high-throughput colorimetric Zika virus infection assay. <i>Medical Microbiology and Immunology</i> , 2017, 206, 175-185.	2.6	34
25	Control of TLR7-mediated type I IFN signaling in pDCs through CXCR4 engagement—a new target for lupus treatment. <i>Science Advances</i> , 2019, 5, eaav9019.	4.7	34
26	Protective Effects of the Complement Inhibitor Compstatin CP40 in Hemorrhagic Shock. <i>Shock</i> , 2019, 51, 78-87.	1.0	34
27	Peer support for people with severe mental illness versus usual care in high-, middle- and low-income countries: study protocol for a pragmatic, multicentre, randomised controlled trial (UPSIDES-RCT). <i>Trials</i> , 2020, 21, 371.	0.7	34
28	Non-invasive high-frequency oscillatory ventilation in preterm infants: a randomised controlled cross-over trial. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2018, 103, F1-F5.	1.4	33
29	Usefulness of current candidate genetic markers to identify childhood cancer patients at risk for platinum-induced ototoxicity: Results of the European PanCareLIFE cohort study. <i>European Journal of Cancer</i> , 2020, 138, 212-224.	1.3	31
30	Surgery for Diffuse WHO Grade II Gliomas: Volumetric Analysis of a Multicenter Retrospective Cohort From the German Study Group for Intraoperative Magnetic Resonance Imaging. <i>Neurosurgery</i> , 2020, 86, E64-E74.	0.6	30
31	Comprehensive diagnosis and treatment of alveolar echinococcosis: A single-center, long-term observational study of 312 patients in Germany. <i>GMS Infectious Diseases</i> , 2017, 5, Doc01.	0.5	30
32	In Vivo Protein Complementation Demonstrates Presynaptic β -Synuclein Oligomerization and Age-Dependent Accumulation of 8-mer Oligomer Species. <i>Cell Reports</i> , 2019, 29, 2862-2874.e9.	2.9	26
33	A phase Ib/IIa trial of 9 repurposed drugs combined with temozolomide for the treatment of recurrent glioblastoma: CUSP9v3. <i>Neuro-Oncology Advances</i> , 2021, 3, vdab075.	0.4	26
34	Intrathecal immunoglobulin M production: A promising high-risk marker in clinically isolated syndrome patients. <i>Annals of Neurology</i> , 2018, 83, 1032-1036.	2.8	23
35	Quantifying progression in primary progressive aphasia with structural neuroimaging. <i>Alzheimer's and Dementia</i> , 2021, 17, 1595-1609.	0.4	22
36	Cluster-randomized Studies in Educational Research: Principles and Methodological Aspects. <i>GMS Journal for Medical Education</i> , 2017, 34, Doc26.	0.1	22

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37	Recovery and decision-making involvement in people with severe mental illness from six countries: a prospective observational study. <i>BMC Psychiatry</i> , 2017, 17, 38.	1.1	21
38	Predictive Value of Thompson-Score for Long-Term Neurological and Cognitive Outcome in Term Newborns with Perinatal Asphyxia and Hypoxic-Ischemic Encephalopathy Undergoing Controlled Hypothermia Treatment. <i>Neonatology</i> , 2018, 114, 341-347.	0.9	21
39	Pain assessment in advanced dementia. Validity of the German PAINAD—a prospective double-blind randomised placebo-controlled trial. <i>Pain</i> , 2019, 160, 742-753.	2.0	21
40	Stigma and suicidal ideation among young people at risk of psychosis after one year. <i>Psychiatry Research</i> , 2016, 243, 219-224.	1.7	20
41	Successful Resuscitation in a Model of Asphyxia and Hemorrhage to Test Different Volume Resuscitation Strategies. A Study in Newborn Piglets After Transition. <i>Frontiers in Pediatrics</i> , 2018, 6, 192.	0.9	20
42	Resection of the duodenum causes long-term endocrine and exocrine dysfunction after Whipple procedure for benign tumors - Results of a systematic review and meta-analysis. <i>Hpb</i> , 2020, 22, 809-820.	0.1	20
43	Computational modeling and experimental validation of the EPI-X4/CXCR4 complex allows rational design of small peptide antagonists. <i>Communications Biology</i> , 2021, 4, 1113.	2.0	20
44	Ten years' experience with intraoperative MRI-assisted transsphenoidal pituitary surgery. <i>Neurosurgical Focus</i> , 2020, 48, E14.	1.0	19
45	Long-term Metabolic Morbidity and Steatohepatosis Following Standard Pancreatic Resections and Parenchyma-sparing, Local Extirpations for Benign Tumor. <i>Annals of Surgery</i> , 2022, 275, 54-66.	2.1	18
46	Increase in foreign body and harmful substance ingestion and associated complications in children: a retrospective study of 1199 cases from 2005 to 2017. <i>BMC Pediatrics</i> , 2020, 20, 560.	0.7	18
47	Early postoperative and late metabolic morbidity after pancreatic resections: An old and new challenge for surgeons — A review. <i>American Journal of Surgery</i> , 2018, 216, 131-134.	0.9	17
48	Microtiter plate-based antibody-competition assay to determine binding affinities and plasma/blood stability of CXCR4 ligands. <i>Scientific Reports</i> , 2020, 10, 16036.	1.6	17
49	A Follow-Up Study of a European IgG4-Related Disease Cohort Treated with Rituximab. <i>Journal of Clinical Medicine</i> , 2021, 10, 1329.	1.0	17
50	Permissive hypercapnia for severe acute respiratory distress syndrome in immunocompromised children: A single center experience. <i>PLoS ONE</i> , 2017, 12, e0179974.	1.1	16
51	Unnecessary abdominal interventions in patients with hereditary angioedema. <i>JDDG - Journal of the German Society of Dermatology</i> , 2018, 16, 1443-1449.	0.4	16
52	Longitudinal Serum Neurofilament Levels of Multiple Sclerosis Patients Before and After Treatment with First-Line Immunomodulatory Therapies. <i>Biomedicines</i> , 2020, 8, 312.	1.4	16
53	Renal Effects and Carcinogenicity of Occupational Exposure to Uranium: A Meta-Analysis. <i>Nephron Extra</i> , 2016, 6, 1-11.	1.1	15
54	Sample Size Estimation for Pilot Animal Experiments by Using a Markov Chain Monte Carlo Approach. <i>ATLA Alternatives To Laboratory Animals</i> , 2017, 45, 83-90.	0.7	15

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55	Parenchyma-sparing, local pancreatic head resection for premalignant and low-malignant neoplasms â€“ A systematic review and meta-analysis. <i>American Journal of Surgery</i> , 2018, 216, 1182-1191.	0.9	15
56	Effects of an Educational Film About Body Donors on Students' Empathy and Anxiety Levels in Gross Anatomy. <i>Anatomical Sciences Education</i> , 2019, 12, 386-398.	2.5	15
57	Chitotriosidase as biomarker for early stage amyotrophic lateral sclerosis: a multicenter study. <i>Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration</i> , 2021, 22, 276-286.	1.1	14
58	Clinical features of angioedema induced by renin-angiotensin-aldosterone system inhibition: a retrospective analysis of 84 patients. <i>Journal of Community Hospital Internal Medicine Perspectives</i> , 2019, 9, 453-459.	0.4	14
59	AChE-activity in critically ill patients with suspected septic encephalopathy: a prospective, single-centre study. <i>BMC Anesthesiology</i> , 2020, 20, 287.	0.7	13
60	Increased Hepcidin Levels During a Period of High Training Load Do Not Alter Iron Status in Male Elite Junior Rowers. <i>Frontiers in Physiology</i> , 2020, 10, 1577.	1.3	13
61	Creating a blended learning module in an online master study programme in oncology. <i>Education for Health: Change in Learning and Practice</i> , 2015, 28, 101.	0.1	12
62	Vaccination rate and immunity of children and adolescents with inflammatory bowel disease or autoimmune hepatitis in Germany. <i>Vaccine</i> , 2020, 38, 1810-1817.	1.7	11
63	The Surgical Treatment of Peritonsillar Abscess: A Retrospective Analysis in 584 Patients. <i>Laryngoscope</i> , 2021, 131, 2706-2712.	1.1	11
64	The influence of nimodipine and vasopressors on outcome in patients with delayed cerebral ischemia after spontaneous subarachnoid hemorrhage. <i>Journal of Neurosurgery</i> , 2020, 132, 1096-1104.	0.9	10
65	The integration of training and off-training activities substantially alters training volume and load analysis in elite rowers. <i>Scientific Reports</i> , 2021, 11, 17218.	1.6	10
66	Implementation and sex-specific analysis of students' attitudes toward a longitudinal, gender-specific medical curriculum â€“ a pilot study. <i>Education for Health: Change in Learning and Practice</i> , 2017, 30, 50.	0.1	10
67	Varicella-Zoster virus-induced neurological disease after COVID-19 vaccination: a retrospective monocentric study. <i>Journal of Neurology</i> , 2021, , 1.	1.8	10
68	How much confidence do we need in animal experiments? Statistical assumptions in sample size estimation. <i>Journal of Applied Animal Welfare Science</i> , 2018, 21, 325-333.	0.4	8
69	Degarelix for treating advanced hormone-sensitive prostate cancer. <i>The Cochrane Library</i> , 2021, 2021, CD012548.	1.5	8
70	Stratified Survival Analysis After Adjuvant Chemotherapy of Colon Cancer Reveals a Benefit for Older Patients. <i>Anticancer Research</i> , 2015, 35, 5587-93.	0.5	8
71	Vascular calcifications on the preoperative radiograph: harbinger of tourniquet failure in patients undergoing total knee arthroplasty?. <i>Skeletal Radiology</i> , 2017, 46, 1219-1224.	1.2	7
72	Carbon dioxide versus room air for colonoscopy in deeply sedated pediatric patients: a randomized controlled trial. <i>Endoscopy International Open</i> , 2019, 07, E290-E297.	0.9	7

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73	Varicella-zoster-virus vaccination of immunosuppressed children with inflammatory bowel disease or autoimmune hepatitis: A prospective observational study. <i>Vaccine</i> , 2020, 38, 8024-8031.	1.7	7
74	Effects of acetazolamide on pulmonary artery pressure and prevention of high-altitude pulmonary edema after rapid active ascent to 4,559 m. <i>Journal of Applied Physiology</i> , 2022, 132, 1361-1369.	1.2	7
75	Preserved in vitro immunoreactivity in children receiving long-term immunosuppressive therapy due to inflammatory bowel disease or autoimmune hepatitis. <i>Molecular and Cellular Pediatrics</i> , 2018, 5, 1.	1.0	6
76	Distinct Dynamics of Stem and Progenitor Cells in Blood of Polytraumatized Patients. <i>Shock</i> , 2019, 51, 430-438.	1.0	6
77	Ongoing challenges in unravelling the association between COVID-19 and Guillain-Barré syndrome. <i>Brain</i> , 2021, 144, e44-e44.	3.7	6
78	Adverse Events and Complications in Continuous Intra-arterial Nimodipine Infusion Therapy After Aneurysmal Subarachnoid Hemorrhage. <i>Frontiers in Neurology</i> , 2021, 12, 812898.	1.1	6
79	A Multi-Institutional Analysis of Prostate Cancer Patients With or Without 68Ga-PSMA PET/CT Prior to Salvage Radiotherapy of the Prostatic Fossa. <i>Frontiers in Oncology</i> , 2021, 11, 723536.	1.3	5
80	Measurement of the nociceptive flexion reflex threshold in critically ill patients – a randomized observational pilot study. <i>BMC Anesthesiology</i> , 2021, 21, 270.	0.7	5
81	Cerebral Oxygenation in Preterm Infants Developing Cerebral Lesions. <i>Frontiers in Pediatrics</i> , 2022, 10, 809248.	0.9	5
82	Cerebral oxygenation and desaturations in preterm infants – a longitudinal data analysis. <i>Journal of Neonatal-Perinatal Medicine</i> , 2017, 10, 267-273.	0.4	4
83	The Use of Gatekeeping Procedures in the Statistical Planning of Animal Experiments. <i>ATLA Alternatives To Laboratory Animals</i> , 2017, 45, 317-328.	0.7	4
84	Estimation of half-life periods in nonlinear data with fractional polynomials. <i>Statistical Methods in Medical Research</i> , 2016, 25, 1791-1803.	0.7	3
85	Tick-Borne Encephalitis: A Differential Pattern of Intrathecal Humoral Immune Response and Inflammatory Cell Composition Compared with Other Viral CNS Infections. <i>Cells</i> , 2020, 9, 2169.	1.8	3
86	Cardiovascular Health Status And Genetic Risk In Survivors of Childhood Neuroblastoma and Nephroblastoma Treated With Doxorubicin: Protocol of the Pharmacogenetic Part of the LESS-Anthra Cross-Sectional Cohort Study. <i>JMIR Research Protocols</i> , 2022, 11, e27898.	0.5	3
87	A comparative study of pre-alpha islands in the entorhinal cortex from selected primates and in lissencephaly. <i>Journal of Comparative Neurology</i> , 2022, 530, 683-704.	0.9	3
88	Central serous chorioretinopathy: Morphological and functional outcome after subthreshold thermal laser coagulation with a frequency-doubled Nd:YAG continuous wave laser. <i>Ophthalmologica</i> , 2021, , .	1.0	3
89	Initial Evaluation of the Concept-2 Rowing Ergometer's Accuracy Using a Motorized Test Rig. <i>Frontiers in Sports and Active Living</i> , 2021, 3, 801617.	0.9	3
90	Unnötige abdominelle Eingriffe bei Patienten mit hereditärem Angioödem. <i>JDDG - Journal of the German Society of Dermatology</i> , 2018, 16, 1443-1450.	0.4	2

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91	Association of candidate pharmacogenetic markers with platinum-induced ototoxicity: PanCareLIFE dataset. <i>Data in Brief</i> , 2020, 32, 106227.	0.5	2
92	A hierarchical algorithm for multicentric matched cohort study designs. <i>Current Medical Research and Opinion</i> , 2020, 36, 1889-1896.	0.9	2
93	Cardiac Glycosides Lower C-Reactive Protein Plasma Levels in Patients with Decompensated Heart Failure: Results from the Single-Center C-Reactive Protein-Digoxin Observational Study (C-DOS). <i>Journal of Clinical Medicine</i> , 2022, 11, 1762.	1.0	2
94	Prospective, observational, single-centre cohort study with an independent control group matched for age and sex aimed at investigating the significance of cholinergic activity in patients with schizophrenia: study protocol of the CLASH-study. <i>BMJ Open</i> , 2021, 11, e050501.	0.8	2
95	Common Determinants of Absence From Work in Employees and Workers. <i>Journal of Occupational and Environmental Medicine</i> , 2020, 62, e22-e26.	0.9	1
96	Introduction to Medical Statistics Software Using the Flipped Classroom: A Pilot Study. <i>Journal of Statistics and Data Science Education</i> , 2023, 31, 74-79.	0.9	1
97	Degarelix for treating advanced hormone-sensitive prostate cancer. <i>The Cochrane Library</i> , 0, , .	1.5	0
98	Transcutaneous carbon dioxide monitoring as a valid complementary method in acute respiratory failure. <i>European Respiratory Journal</i> , 2020, 56, 2002137.	3.1	0
99	Effect of data self-collection as an activating teaching method in a statistical software course in medical biometry - a pilot study. <i>GMS Journal for Medical Education</i> , 2018, 35, Doc9.	0.1	0
100	Factors influencing atrophy progression in primary progressive aphasia. <i>Alzheimer's and Dementia</i> , 2021, 17, .	0.4	0