

Ralf A Linker

List of Publications by Year in descending order

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Version: 2024-02-01

86
papers

6,999
citations

201674

27
h-index

60623

81
g-index

89
all docs

89
docs citations

89
times ranked

10728
citing authors

#	ARTICLE	IF	CITATIONS
1	Sodium chloride drives autoimmune disease by the induction of pathogenic TH17 cells. <i>Nature</i> , 2013, 496, 518-522.	27.8	1,136
2	Fumaric acid esters exert neuroprotective effects in neuroinflammation via activation of the Nrf2 antioxidant pathway. <i>Brain</i> , 2011, 134, 678-692.	7.6	942
3	Salt-responsive gut commensal modulates TH17 axis and disease. <i>Nature</i> , 2017, 551, 585-589.	27.8	896
4	Dietary Fatty Acids Directly Impact Central Nervous System Autoimmunity via the Small Intestine. <i>Immunity</i> , 2015, 43, 817-829.	14.3	637
5	Propionic Acid Shapes the Multiple Sclerosis Disease Course by an Immunomodulatory Mechanism. <i>Cell</i> , 2020, 180, 1067-1080.e16.	28.9	367
6	Role of “Western Diet” in Inflammatory Autoimmune Diseases. <i>Current Allergy and Asthma Reports</i> , 2014, 14, 404.	5.3	341
7	High salt reduces the activation of IL-4“ and IL-13“stimulated macrophages. <i>Journal of Clinical Investigation</i> , 2015, 125, 4223-4238.	8.2	229
8	Impacts of microbiome metabolites on immune regulation and autoimmunity. <i>Immunology</i> , 2018, 154, 230-238.	4.4	185
9	Functional role of brain-derived neurotrophic factor in neuroprotective autoimmunity: therapeutic implications in a model of multiple sclerosis. <i>Brain</i> , 2010, 133, 2248-2263.	7.6	180
10	Apheresis therapies for NMOSD attacks. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2018, 5, e504.	6.0	173
11	Cerebrospinal fluid findings in COVID-19 patients with neurological symptoms. <i>Journal of the Neurological Sciences</i> , 2020, 418, 117090.	0.6	125
12	Function of Neurotrophic Factors Beyond the Nervous System: Inflammation and Autoimmune Demyelination. <i>Critical Reviews in Immunology</i> , 2009, 29, 43-68.	0.5	123
13	Sodium in the microenvironment regulates immune responses and tissue homeostasis. <i>Nature Reviews Immunology</i> , 2019, 19, 243-254.	22.7	100
14	Pivotal Role for CD16+ Monocytes in Immune Surveillance of the Central Nervous System. <i>Journal of Immunology</i> , 2016, 196, 1558-1567.	0.8	96
15	Zoonotic spillover infections with Borna disease virus 1 leading to fatal human encephalitis, 1999“2019: an epidemiological investigation. <i>Lancet Infectious Diseases</i> , The, 2020, 20, 467-477.	9.1	96
16	Subcutaneous immunoglobulin infusion: A new therapeutic option in chronic inflammatory demyelinating polyneuropathy. <i>Muscle and Nerve</i> , 2008, 37, 406-409.	2.2	94
17	Clinical implications of serum neurofilament in newly diagnosed MS patients: A longitudinal multicentre cohort study. <i>EBioMedicine</i> , 2020, 56, 102807.	6.1	67
18	Identification and development of new therapeutics for multiple sclerosis. <i>Trends in Pharmacological Sciences</i> , 2008, 29, 558-565.	8.7	61

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19	IL-6 transsignalling modulates the early effector phase of EAE and targets the blood-brain barrier. <i>Journal of Neuroimmunology</i> , 2008, 205, 64-72.	2.3	60
20	High salt drives Th17 responses in experimental autoimmune encephalomyelitis without impacting myeloid dendritic cells. <i>Experimental Neurology</i> , 2016, 279, 212-222.	4.1	56
21	Treatment choices and neuropsychological symptoms of a large cohort of early MS. <i>Neurology: Neuroimmunology and Neuroinflammation</i> , 2018, 5, e446.	6.0	54
22	Potential of Sodium MRI as a Biomarker for Neurodegeneration and Neuroinflammation in Multiple Sclerosis. <i>Frontiers in Neurology</i> , 2019, 10, 84.	2.4	51
23	Sunlight exposure exerts immunomodulatory effects to reduce multiple sclerosis severity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	38
24	Impact of combined sodium chloride and saturated long-chain fatty acid challenge on the differentiation of T helper cells in neuroinflammation. <i>Journal of Neuroinflammation</i> , 2017, 14, 184.	7.2	37
25	Alemtuzumab as rescue therapy in a cohort of 50 relapsing—remitting MS patients with breakthrough disease on fingolimod: a multi-center observational study. <i>Journal of Neurology</i> , 2018, 265, 1521-1527.	3.6	33
26	Neuroanatomic Correlates of Female Sexual Dysfunction in Multiple Sclerosis. <i>Annals of Neurology</i> , 2016, 80, 490-498.	5.3	32
27	The role of the gut microbiota and microbial metabolites in neuroinflammation. <i>European Journal of Immunology</i> , 2020, 50, 1863-1870.	2.9	32
28	Association Between Use of a Flying Intervention Team vs Patient Interhospital Transfer and Time to Endovascular Thrombectomy Among Patients With Acute Ischemic Stroke in Nonurban Germany. <i>JAMA - Journal of the American Medical Association</i> , 2022, 327, 1795.	7.4	31
29	Informal Caregiving in Amyotrophic Lateral Sclerosis (ALS): A High Caregiver Burden and Drastic Consequences on Caregivers’ Lives. <i>Brain Sciences</i> , 2021, 11, 748.	2.3	30
30	Models of autoimmune demyelination in the central nervous system: on the way to translational medicine. <i>Experimental & Translational Stroke Medicine</i> , 2009, 1, 5.	3.2	29
31	Objective sensor-based gait measures reflect motor impairment in multiple sclerosis patients: Reliability and clinical validation of a wearable sensor device. <i>Multiple Sclerosis and Related Disorders</i> , 2020, 39, 101903.	2.0	29
32	Longitudinal prevalence and determinants of pain in multiple sclerosis: results from the German National Multiple Sclerosis Cohort study. <i>Pain</i> , 2020, 161, 787-796.	4.2	29
33	Diagnostic value of the 2017 McDonald criteria in patients with a first demyelinating event suggestive of relapsing—remitting multiple sclerosis. <i>European Journal of Neurology</i> , 2019, 26, 540-545.	3.3	27
34	Central Autonomic Dysfunction Delays Recovery of Fingolimod Induced Heart Rate Slowing. <i>PLoS ONE</i> , 2015, 10, e0132139.	2.5	23
35	Baseline Magnetic Resonance Imaging of the Optic Nerve Provides Limited Predictive Information on Short-Term Recovery after Acute Optic Neuritis. <i>PLoS ONE</i> , 2015, 10, e0113961.	2.5	21
36	I κ B-Synuclein deficiency promotes neuroinflammation by increasing Th1 cell-mediated immune responses. <i>Journal of Neuroinflammation</i> , 2016, 13, 201.	7.2	21

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37	Insular multiple sclerosis lesions are associated with erectile dysfunction. <i>Journal of Neurology</i> , 2018, 265, 783-792.	3.6	20
38	Efficacy and safety of alemtuzumab versus fingolimod in RRMS after natalizumab cessation. <i>Journal of Neurology</i> , 2019, 266, 165-173.	3.6	20
39	Oral Health, Oral Microbiota, and Incidence of Stroke-Associated Pneumonia—A Prospective Observational Study. <i>Frontiers in Neurology</i> , 2020, 11, 528056.	2.4	20
40	Fingolimod effects in neuroinflammation: Regulation of astroglial glutamate transporters?. <i>PLoS ONE</i> , 2017, 12, e0171552.	2.5	20
41	MuSK-antibodies are associated with worse outcome in myasthenic crisis requiring mechanical ventilation. <i>Journal of Neurology</i> , 2021, 268, 4824-4833.	3.6	19
42	Is there a role for neurotrophins in the pathology of multiple sclerosis?. <i>Journal of Neurology</i> , 2007, 254, 133-140.	3.6	17
43	Sexual Dysfunction Seems to Trigger Depression in Female Multiple Sclerosis Patients. <i>European Neurology</i> , 2018, 80, 34-41.	1.4	17
44	MAdCAM-1-Mediated Intestinal Lymphocyte Homing Is Critical for the Development of Active Experimental Autoimmune Encephalomyelitis. <i>Frontiers in Immunology</i> , 2019, 10, 903.	4.8	17
45	Non-Invasive Prediction of IDH Mutation in Patients with Glioma WHO II/III/IV Based on F-18-FET PET-Guided In Vivo 1H-Magnetic Resonance Spectroscopy and Machine Learning. <i>Cancers</i> , 2020, 12, 3406.	3.7	17
46	Real world application of ocrelizumab in multiple sclerosis: Single-center experience of 128 patients. <i>Journal of the Neurological Sciences</i> , 2020, 415, 116973.	0.6	17
47	Low stroke incidence in the TEMPiS telestroke network during COVID-19 pandemic: Effect of lockdown on thrombolysis and thrombectomy. <i>Journal of Telemedicine and Telecare</i> , 2022, 28, 481-487.	2.7	16
48	Antibodies against viral nucleo-, phospho-, and X protein contribute to serological diagnosis of fatal Borna disease virus 1 infections. <i>Cell Reports Medicine</i> , 2022, 3, 100499.	6.5	16
49	Fingolimod initiation in multiple sclerosis patients is associated with potential beneficial cardiovascular autonomic effects. <i>Therapeutic Advances in Neurological Disorders</i> , 2017, 10, 191-209.	3.5	15
50	Role of Nuclear Factor (Erythroid-Derived 2)-Like 2 Signaling for Effects of Fumaric Acid Esters on Dendritic Cells. <i>Frontiers in Immunology</i> , 2017, 8, 1922.	4.8	15
51	A Nation-Wide, Multi-Center Study on the Quality of Life of ALS Patients in Germany. <i>Brain Sciences</i> , 2021, 11, 372.	2.3	15
52	Supratentorial lesions contribute to trigeminal neuralgia in multiple sclerosis. <i>Cephalalgia</i> , 2018, 38, 1326-1334.	3.9	13
53	Microscopic polyangiitis after alemtuzumab treatment in relapsing-remitting MS. <i>Neurology: Neuroimmunology and Neuroinflammation</i> , 2018, 5, e488.	6.0	12
54	Normal Age- and Sex-Related Values of the Optic Nerve Sheath Diameter and Its Dependency on Position and Positive End-Expiratory Pressure. <i>Ultrasound in Medicine and Biology</i> , 2020, 46, 3279-3285.	1.5	12

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55	The transitional phase of multiple sclerosis: Characterization and conceptual framework. <i>Multiple Sclerosis and Related Disorders</i> , 2020, 44, 102242.	2.0	12
56	alpha-Synuclein: a Modulator During Inflammatory CNS Demyelination. <i>Journal of Molecular Neuroscience</i> , 2020, 70, 1038-1049.	2.3	12
57	Seronegative myasthenic crisis: a multicenter analysis. <i>Journal of Neurology</i> , 2022, 269, 3904-3911.	3.6	12
58	²³ Na MRI reveals persistent sodium accumulation in tumefactive MS lesions. <i>Journal of the Neurological Sciences</i> , 2017, 379, 163-166.	0.6	11
59	Long-Term Follow-Up of Cerebral Amyloid Angiopathy-Associated Intracranial Hemorrhage Reveals a High Prevalence of Atrial Fibrillation. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2019, 28, 104342.	1.6	11
60	No evidence of disease activity status over 3 years in a real-world cohort of relapsing remitting MS patients in Germany. <i>Multiple Sclerosis and Related Disorders</i> , 2019, 27, 133-138.	2.0	11
61	Autoimmune diseases and immunosuppressive therapy in relation to the risk of glioma. <i>Cancer Medicine</i> , 2020, 9, 1263-1275.	2.8	11
62	Is APOE ε4 associated with cognitive performance in early MS?. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2020, 7, e728.	6.0	11
63	Clinical trials in multiple sclerosis: potential future trial designs. <i>Therapeutic Advances in Neurological Disorders</i> , 2019, 12, 175628641984709.	3.5	10
64	Navigating choice in multiple sclerosis management. <i>Neurological Research and Practice</i> , 2019, 1, 5.	2.0	10
65	FLAIRfusion Processing with Contrast Inversion. <i>Clinical Neuroradiology</i> , 2018, 28, 367-376.	1.9	9
66	Possible second motor neuron damage in neuromyelitis optica. <i>Clinical Neurophysiology</i> , 2014, 125, 859-861.	1.5	8
67	Good outcome of brain stem progressive multifocal leukoencephalopathy in an immunosuppressed renal transplant patient: Importance of early detection and rapid immune reconstitution. <i>Journal of the Neurological Sciences</i> , 2017, 375, 76-79.	0.6	8
68	Fatal lymphomatoid granulomatosis with primary CNS-involvement in an immunocompetent 80-year-old woman. <i>BMJ Case Reports</i> , 2014, 2014, bcr2014206825-bcr2014206825.	0.5	7
69	Lesion correlates of secondary paroxysmal dyskinesia in multiple sclerosis. <i>Journal of Neurology</i> , 2018, 265, 2277-2283.	3.6	7
70	Genetic determinants of the humoral immune response in MS. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2020, 7, e827.	6.0	7
71	Longitudinal Sodium <sc>MRI</sc> of Multiple Sclerosis Lesions: Is there Added Value of Sodium Inversion Recovery <sc>MRI</sc>. <i>Journal of Magnetic Resonance Imaging</i> , 2022, 55, 140-151.	3.4	6
72	Brain MRI Lesions are Related to Bowel Incontinence in Multiple Sclerosis. <i>Journal of Neuroimaging</i> , 2018, 29, 211-217.	2.0	5

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73	Immune cell derived BDNF does not mediate neuroprotection of the murine anti-CD52 antibody in a chronic autoimmune mouse model. <i>Journal of Neuroimmunology</i> , 2019, 328, 78-85.	2.3	5
74	Multiple sclerosis in families: risk factors beyond known genetic polymorphisms. <i>Neurogenetics</i> , 2016, 17, 131-135.	1.4	4
75	Interdisciplinary Decision Making in Hemorrhagic Stroke Based on CT Imaging—Differences Between Neurologists and Neurosurgeons Regarding Estimation of Patients' Symptoms, Glasgow Coma Scale, and National Institutes of Health Stroke Scale. <i>Frontiers in Neurology</i> , 2019, 10, 997.	2.4	4
76	Functional role of endogenous Kv1.4 in experimental demyelination. <i>Journal of Neuroimmunology</i> , 2020, 343, 577227.	2.3	4
77	Voxel-wise lesion mapping of self-reported urinary incontinence in multiple sclerosis. <i>Neurourology and Urodynamics</i> , 2020, 39, 295-302.	1.5	3
78	Longer-term effects of intravenous immunoglobulin treatment in chronic inflammatory demyelinating polyneuropathy: Who benefits?. <i>Journal of the Neurological Sciences</i> , 2020, 419, 117169.	0.6	3
79	Neuromonitoring Using Neurosonography and Pupillometry in A Weaning and Early Neurorehabilitation Unit. <i>Journal of Neuroimaging</i> , 2020, 30, 631-639.	2.0	3
80	Transcranial Doppler sonography and the effect of haematopoietic stem cell transplantation in sickle cell disease. <i>Neurological Research and Practice</i> , 2022, 4, 12.	2.0	3
81	Validation Study for Non-Invasive Prediction of IDH Mutation Status in Patients with Glioma Using In Vivo 1H-Magnetic Resonance Spectroscopy and Machine Learning. <i>Cancers</i> , 2022, 14, 2762.	3.7	3
82	Case report of a complicated neurologically manifesting acute porphyria treated successfully with Givosiran. <i>Journal of the Neurological Sciences</i> , 2021, 422, 117334.	0.6	2
83	Cerebrovascular Risk Factors in Possible or Probable Cerebral Amyloid Angiopathy, Modifier or Bystander?. <i>Frontiers in Neurology</i> , 2021, 12, 676931.	2.4	2
84	Index event of cerebral amyloid angiopathy (CAA) determines long-term prognosis and recurrent events (retrospective analysis and clinical follow-up). <i>Neurological Research and Practice</i> , 2021, 3, 51.	2.0	2
85	Cardiovascular fingolimod effects on rapid baroreceptor unloading are counterbalanced by baroreflex resetting. <i>Neurological Sciences</i> , 2021, 42, 111-121.	1.9	1
86	Recurrent vertebrobasilar strokes and transient-ischemic attacks with challenging workup: Case report. <i>Brain Circulation</i> , 2022, 8, 50.	1.8	0