

# Albert J Becker

## List of Publications by Year in descending order

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Version: 2024-02-01

70  
papers

4,884  
citations

236925

25  
h-index

114465

63  
g-index

72  
all docs

72  
docs citations

72  
times ranked

5817  
citing authors

#	ARTICLE	IF	CITATIONS
1	The clinicopathologic spectrum of focal cortical dysplasias: A consensus classification proposed by an ad hoc Task Force of the ILAE Diagnostic Methods Commission. <i>Epilepsia</i> , 2011, 52, 158-174.	5.1	1,454
2	Histopathological Findings in Brain Tissue Obtained during Epilepsy Surgery. <i>New England Journal of Medicine</i> , 2017, 377, 1648-1656.	27.0	621
3	Immunopathology of autoantibody-associated encephalitides: clues for pathogenesis. <i>Brain</i> , 2012, 135, 1622-1638.	7.6	549
4	Advances in the development of biomarkers for epilepsy. <i>Lancet Neurology</i> , The, 2016, 15, 843-856.	10.2	283
5	Transcriptional Upregulation of Ca <sub>v</sub> 3.2 Mediates Epileptogenesis in the Pilocarpine Model of Epilepsy. <i>Journal of Neuroscience</i> , 2008, 28, 13341-13353.	3.6	179
6	Seizure outcome and use of antiepileptic drugs after epilepsy surgery according to histopathological diagnosis: a retrospective multicentre cohort study. <i>Lancet Neurology</i> , The, 2020, 19, 748-757.	10.2	177
7	Tumor recurrence and malignant progression of gangliogliomas. <i>Cancer</i> , 2008, 113, 3355-3363.	4.1	147
8	CD8+ T-cell clones dominate brain infiltrates in Rasmussen encephalitis and persist in the periphery. <i>Brain</i> , 2009, 132, 1236-1246.	7.6	131
9	Low-grade epilepsy-associated neuroepithelial tumours – the 2016 WHO classification. <i>Nature Reviews Neurology</i> , 2016, 12, 732-740.	10.1	113
10	CD8+ T-cell pathogenicity in Rasmussen encephalitis elucidated by large-scale T-cell receptor sequencing. <i>Nature Communications</i> , 2016, 7, 11153.	12.8	98
11	Mild Malformation of Cortical Development with Oligodendroglial Hyperplasia in Frontal Lobe Epilepsy: A New Clinicopathological Entity. <i>Brain Pathology</i> , 2017, 27, 26-35.	4.1	81
12	Transcriptional Regulation of T-type Calcium Channel Ca <sub>v</sub> 3.2. <i>Journal of Biological Chemistry</i> , 2012, 287, 15489-15501.	3.4	67
13	Subcellular reorganization and altered phosphorylation of the astrocytic gap junction protein connexin43 in human and experimental temporal lobe epilepsy. <i>Glia</i> , 2017, 65, 1809-1820.	4.9	67
14	Good interobserver and intraobserver agreement in the evaluation of the new ILAE classification of focal cortical dysplasias. <i>Epilepsia</i> , 2012, 53, 1341-1348.	5.1	63
15	Genome-wide mapping of genetic determinants influencing DNA methylation and gene expression in human hippocampus. <i>Nature Communications</i> , 2017, 8, 1511.	12.8	60
16	Innate and adaptive immunity in human epilepsies. <i>Epilepsia</i> , 2017, 58, 57-68.	5.1	58
17	Toward a better definition of focal cortical dysplasia: An iterative histopathological and genetic agreement trial. <i>Epilepsia</i> , 2021, 62, 1416-1428.	5.1	54
18	Autoantibodies to Munc18, cerebral plasma cells and B-lymphocytes in Rasmussen encephalitis. <i>Epilepsy Research</i> , 2008, 80, 93-97.	1.6	53

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19	Evidence of a pathogenic role for CD8 <sup>+</sup> T cells in anti-GABA <sub>B</sub> receptor limbic encephalitis. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2016, 3, e232.	6.0	46
20	Circadian clustering of spontaneous epileptic seizures emerges after pilocarpine-induced status epilepticus. <i>Epilepsia</i> , 2017, 58, 1159-1171.	5.1	46
21	Zinc regulates a key transcriptional pathway for epileptogenesis via metal-regulatory transcription factor 1. <i>Nature Communications</i> , 2015, 6, 8688.	12.8	42
22	Neuropathological signs of inflammation correlate with mitochondrial DNA deletions in mesial temporal lobe epilepsy. <i>Acta Neuropathologica</i> , 2016, 132, 277-288.	7.7	37
23	Mutational and immunohistochemical analysis of ezrin-, radixin-, moesin (ERM) molecules in epilepsy-associated glioneuronal lesions. <i>Acta Neuropathologica</i> , 2005, 110, 537-546.	7.7	31
24	External validation of automated focal cortical dysplasia detection using morphometric analysis. <i>Epilepsia</i> , 2021, 62, 1005-1021.	5.1	31
25	Anti-epileptogenic and Anti-convulsive Effects of Fingolimod in Experimental Temporal Lobe Epilepsy. <i>Molecular Neurobiology</i> , 2019, 56, 1825-1840.	4.0	27
26	Pre- and long-term postoperative courses of hippocampus-associated memory impairment in epilepsy patients with antibody-associated limbic encephalitis and selective amygdalohippocampectomy. <i>Epilepsy and Behavior</i> , 2018, 79, 93-99.	1.7	25
27	Calcium Channel Subunit $\alpha_2\delta_4$ Is Regulated by Early Growth Response 1 and Facilitates Epileptogenesis. <i>Journal of Neuroscience</i> , 2019, 39, 3175-3187.	3.6	24
28	The Presynaptic Active Zone Protein RIM1 $\alpha$ Controls Epileptogenesis following Status Epilepticus. <i>Journal of Neuroscience</i> , 2012, 32, 12384-12395.	3.6	20
29	CD8 <sup>+</sup> T $\alpha$ -Lymphocyte-Driven Limbic Encephalitis Results in Temporal Lobe Epilepsy. <i>Annals of Neurology</i> , 2021, 89, 666-685.	5.3	18
30	Promoter Variants Determine $\beta$ -Aminobutyric Acid Homeostasis-Related Gene Transcription in Human Epileptic Hippocampi. <i>Journal of Neuropathology and Experimental Neurology</i> , 2011, 70, 1080-1088.	1.7	17
31	Drebrin Autoantibodies in Patients with Seizures and Suspected Encephalitis. <i>Annals of Neurology</i> , 2020, 87, 869-884.	5.3	17
32	Specific B- and T-cell populations are associated with cognition in patients with epilepsy and antibody positive and negative suspected limbic encephalitis. <i>Journal of Neurology</i> , 2021, 268, 455-466.	3.6	17
33	A presynaptic phosphosignaling hub for lasting homeostatic plasticity. <i>Cell Reports</i> , 2022, 39, 110696.	6.4	17
34	Heterogeneity and excitability of BRAF <sup>V600E</sup> -induced tumors is determined by Akt/mTOR-signaling state and Trp53-loss. <i>Neuro-Oncology</i> , 2022, 24, 741-754.	1.2	16
35	T cell numbers correlate with neuronal loss rather than with seizure activity in medial temporal lobe epilepsy. <i>Epilepsia</i> , 2021, 62, 1343-1353.	5.1	14
36	Synthesis and Evaluation of Amyloid $\beta^2$ Derived and Amyloid $\beta^2$ Independent Enhancers of the Peroxidase-like Activity of Heme. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 373-385.	6.4	12

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37	LRP12 silencing during brain development results in cortical dyslamination and seizure sensitization. <i>Neurobiology of Disease</i> , 2016, 86, 170-176.	4.4	11
38	Post-Surgical Outcome and Its Determining Factors in Patients Operated on With Focal Cortical Dysplasia Type IIâ€”A Retrospective Monocenter Study. <i>Frontiers in Neurology</i> , 2021, 12, 666056.	2.4	11
39	Volumetry of Mesiotemporal Structures Reflects Serostatus in Patients with Limbic Encephalitis. <i>American Journal of Neuroradiology</i> , 2019, 40, 2081-2089.	2.4	10
40	Fixel-based analysis links white matter characteristics, serostatus and clinical features in limbic encephalitis. <i>NeuroImage: Clinical</i> , 2020, 27, 102289.	2.7	10
41	FORGE: A Novel Scoring System to Predict the MIB-1 Labeling Index in Intracranial Meningiomas. <i>Cancers</i> , 2021, 13, 3643.	3.7	10
42	Impact of T cells on neurodegeneration in antiâ€”GAD65 limbic encephalitis. <i>Annals of Clinical and Translational Neurology</i> , 2021, 8, 2289-2301.	3.7	10
43	Phase I/II trial of meclufenamate in progressive MGMT-methylated glioblastoma under temozolomide second-line therapyâ€”the MecMeth/NOA-24 trial. <i>Trials</i> , 2022, 23, 57.	1.6	10
44	Proliferative Potential, and Inflammatory Tumor Microenvironment in Meningioma Correlate with Neurological Function at Presentation and Anatomical Locationâ€”From Convexity to Skull Base and Spine. <i>Cancers</i> , 2022, 14, 1033.	3.7	9
45	Serial MRI in Patients with Acquired Hippocampal Sclerosis. <i>Klinische Neuroradiologie</i> , 2006, 16, 47-52.	0.9	8
46	Minute amounts of hamartin wildtype rescue the emergence of tuber-like lesions in conditional Tsc1 ablated mice. <i>Neurobiology of Disease</i> , 2016, 95, 134-144.	4.4	8
47	Structural network topology in limbic encephalitis is associated with amygdala enlargement, memory performance and serostatus. <i>Epilepsia</i> , 2020, 61, e140-e145.	5.1	8
48	A CRISPR-Cas9â€”engineered mouse model for GPI-anchor deficiency mirrors human phenotypes and exhibits hippocampal synaptic dysfunctions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	8
49	Adult-onset temporal lobe epilepsy suspicious for autoimmune pathogenesis: Autoantibody prevalence and clinical correlates. <i>PLoS ONE</i> , 2020, 15, e0241289.	2.5	8
50	Novel KCNH1 Mutations Associated with Epilepsy: Broadening the Phenotypic Spectrum of KCNH1-Associated Diseases. <i>Genes</i> , 2021, 12, 132.	2.4	7
51	MOG-Specific T Cells Lead to Spontaneous EAE with Multilocular B Cell Infiltration in the GF-IL23 Model. <i>NeuroMolecular Medicine</i> , 2022, 24, 415-423.	3.4	7
52	Seizure underreporting in <sc>LGI1</sc> and <sc>CASPR2</sc> antibody encephalitis. <i>Epilepsia</i> , 2022, 63, .	5.1	6
53	Infratentorial MRI Findings in Rasmussen Encephalitis Suggest Primary Cerebellar Involvement. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2021, 8, .	6.0	4
54	Ste20-like Kinase Is Critical for Inhibitory Synapse Maintenance and Its Deficiency Confers a Developmental Dendritopathy. <i>Journal of Neuroscience</i> , 2021, 41, 8111-8125.	3.6	4

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55	Resective temporal lobe surgery in refractory temporal lobe epilepsy: prognostic factors of postoperative seizure outcome. <i>Journal of Neurosurgery</i> , 2021, 135, 760-769.	1.6	4
56	Sources of CNS tumor heterogeneity. <i>Oncoscience</i> , 2014, 1, 482-483.	2.2	4
57	Combining FORGE Score and Histopathological Diagnostic Criteria of Atypical Meningioma Enables Risk Stratification of Tumor Progression. <i>Diagnostics</i> , 2021, 11, 2011.	2.6	3
58	Inflammatory Tumor Microenvironment in Cranial Meningiomas: Clinical Implications and Intraindividual Reproducibility. <i>Diagnostics</i> , 2022, 12, 853.	2.6	3
59	SCN1A overexpression, associated with a genomic region marked by a risk variant for a common epilepsy, raises seizure susceptibility. <i>Acta Neuropathologica</i> , 2022, 144, 107-127.	7.7	3
60	Histopathologic Characterization and Neurodegenerative Markers in Patients With Limbic Encephalitis Undergoing Epilepsy Surgery. <i>Frontiers in Neurology</i> , 2022, 13, 859868.	2.4	2
61	Temporal lobe epilepsy surgery: Piriform cortex resection impacts seizure control in the long-term. <i>Annals of Clinical and Translational Neurology</i> , 2022, 9, 1206-1211.	3.7	2
62	Retinoencephalopathy with occipital lobe epilepsy in an OPA-1 mutation carrier. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2019, 66, 1-3.	2.0	1
63	Gene expression analysis in epileptic hippocampi reveals a promoter haplotype conferring reduced aldehyde dehydrogenase 5a1 expression and responsiveness. <i>Epilepsia</i> , 2021, 62, e29-e34.	5.1	1
64	Analysis of autoantibody spectrum and human herpesvirus 6 in adult patients with "early" versus "late" diagnosis of "possible limbic encephalitis". <i>Epilepsy Research</i> , 2021, 176, 106698.	1.6	0
65	A Versatile Clustered Regularly Interspaced Palindromic Repeats Toolbox to Study Neurological CaV3.2 Channelopathies by Promoter-Mediated Transcription Control. <i>Frontiers in Molecular Neuroscience</i> , 2021, 14, 667143.	2.9	0
66	Shape description and volumetry of hippocampus and amygdala in temporal lobe epilepsy " A beneficial combination with a clinical perspective. <i>Epilepsy and Behavior</i> , 2022, 128, 108560.	1.7	0
67	Title is missing!. , 2020, 15, e0241289.		0
68	Title is missing!. , 2020, 15, e0241289.		0
69	Title is missing!. , 2020, 15, e0241289.		0
70	Title is missing!. , 2020, 15, e0241289.		0