# Alexander P. Leff

List of Publications by Year
in descending order

| 128 papers | 8,123 citations | 57631 44 h-index | 53109 85 g-index |
|---|---|---|---|
| 138 all docs | 138 docs citations | 138 times ranked | 9348 citing authors |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | Spatial Normalization of Brain Images with Focal Lesions Using Cost Function Masking. NeuroImage, 2001, 14, 486-500. | 2.1 | 817 |
| 2 | Comparing Families of Dynamic Causal Models. PLoS Computational Biology, 2010, 6, e1000709. | 1.5 | 606 |
| 3 | Lesion identification using unified segmentation-normalisation models and fuzzy clustering. NeuroImage, 2008, 41, 1253-1266. | 2.1 | 335 |
| 4 | Speech Facilitation by Left Inferior Frontal Cortex Stimulation. Current Biology, 2011, 21, 1403-1407. | 1.8 | 278 |
| 5 | Biomarkers of stroke recovery: Consensus-based core recommendations from the Stroke Recovery and Rehabilitation Roundtable. International Journal of Stroke, 2017, 12, 480-493. | 2.9 | 266 |
| 6 | Spatial normalization of lesioned brains: Performance evaluation and impact on fMRI analyses. NeuroImage, 2007, 37, 866-875. | 2.1 | 258 |
| 7 | The left superior temporal gyrus is a shared substrate for auditory short-term memory and speech comprehension: evidence from 210 patients with stroke. Brain, 2009, 132, 3401-3410. | 3.7 | 230 |
| 8 | Cognitive Control and the Salience Network: An Investigation of Error Processing and Effective Connectivity. Journal of Neuroscience, 2013, 33, 7091-7098. | 1.7 | 226 |
| 9 | Defining a Left-lateralized Response Specific to Intelligible Speech Using fMRI. Cerebral Cortex, 2003, 13, 1362-1368. | 1.6 | 220 |
| 10 | Predicting outcome and recovery after stroke with lesions extracted from MRI images. NeuroImage: Clinical, 2013, 2, 424-433. | 1.4 | 207 |
| 11 | Computer-assisted therapy for medication-resistant auditory hallucinations: proof-of-concept study. British Journal of Psychiatry, 2013, 202, 428-433. | 1.7 | 146 |
| 12 | Generative Embedding for Model-Based Classification of fMRI Data. PLoS Computational Biology, 2011, 7, e1002079. | 1.5 | 145 |
| 13 | Cerebral microbleeds and stroke risk after ischaemic stroke or transient ischaemic attack: a pooled analysis of individual patient data from cohort studies. Lancet Neurology, The, 2019, 18, 653-665. | 4.9 | 143 |
| 14 | Identification of higher brain centres that may encode the cardiorespiratory response to exercise in humans. Journal of Physiology, 2001, 533, 823-836. | 1.3 | 140 |
| 15 | Noun imageability and the temporal lobes. Neuropsychologia, 2000, 38, 985-994. | 0.7 | 133 |
| 16 | Predicting language outcome and recovery after stroke: the PLORAS system. Nature Reviews Neurology, 2010, 6, 202-210. | 4.9 | 133 |
| 17 | Recovery and treatment of aphasia after stroke: functional imaging studies. Current Opinion in Neurology, 2007, 20, 667-673. | 1.8 | 131 |
| 18 | Biomarkers of Stroke Recovery: Consensus-Based Core Recommendations from the Stroke Recovery and Rehabilitation Roundtable. Neurorehabilitation and Neural Repair, 2017, 31, 864-876. | 1.4 | 124 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 19 | A physiological change in the homotopic cortex following left posterior temporal lobe infarction. Annals of Neurology, 2002, 51, 553-558. | 2.8 | 122 |
| 20 | The Cortical Dynamics of Intelligible Speech. Journal of Neuroscience, 2008, 28, 13209-13215. | 1.7 | 116 |
| 21 | Avatar therapy for persecutory auditory hallucinations: What is it and how does it work?. Psychosis, 2014, 6, 166-176. | 0.4 | 102 |
| 22 | Multiple Routes from Occipital to Temporal Cortices during Reading. Journal of Neuroscience, 2011, 31, 8239-8247. | 1.7 | 100 |
| 23 | The PLORAS Database: A data repository for Predicting Language Outcome and Recovery After Stroke. NeuroImage, 2016, 124, 1208-1212. | 2.1 | 98 |
| 24 | Too Little, Too Late: Reduced Visual Span and Speed Characterize Pure Alexia. Cerebral Cortex, 2009, 19, 2880-2890. | 1.6 | 92 |
| 25 | Dopamine reverses reward insensitivity in apathy following globus pallidus lesions. Cortex, 2013, 49, 1292-1303. | 1.1 | 90 |
| 26 | Cross-language differences in the brain network subserving intelligible speech. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 2972-2977. | 3.3 | 87 |
| 27 | Recovery after stroke: not so proportional after all?. Brain, 2019, 142, 15-22. | 3.7 | 84 |
| 28 | A generative model of whole-brain effective connectivity. NeuroImage, 2018, 179, 505-529. | 2.1 | 83 |
| 29 | Right hemisphere structural adaptation and changing language skills years after left hemisphere stroke. Brain, 2017, 140, 1718-1728. | 3.7 | 79 |
| 30 | Going beyond the information given: a neural system supporting semantic interpretation. NeuroImage, 2003, 19, 870-876. | 2.1 | 77 |
| 31 | Comparing language outcomes in monolingual and bilingual stroke patients. Brain, 2015, 138, 1070-1083. | 3.7 | 77 |
| 32 | A historical review of the representation of the visual field in primary visual cortex with special reference to the neural mechanisms underlying macular sparing. Brain and Language, 2004, 88, 268-278. | 0.8 | 72 |
| 33 | Identifying abnormal connectivity in patients using Dynamic Causal Modelling of fMRI responses. Frontiers in Systems Neuroscience, 2010, 4, . | 1.2 | 70 |
| 34 | Lateralization is Predicted by Reduced Coupling from the Left to Right Prefrontal Cortex during Semantic Decisions on Written Words. Cerebral Cortex, 2011, 21, 1519-1531. | 1.6 | 67 |
| 35 | The impact of sample size on the reproducibility of voxel-based lesion-deficit mappings. Neuropsychologia, 2018, 115, 101-111. | 0.7 | 67 |
| 36 | Patients with hemianopic alexia adopt an inefficient eye movement strategy when reading text. Brain, 2006, 129, 158-167. | 3.7 | 66 |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 37 | Damage to Broca's area does not contribute to long-term speech production outcome after stroke. Brain, 2021, 144, 817-832. | 3.7 | 65 |
| 38 | Microbleed Detection Using Automated Segmentation (MIDAS): A New Method Applicable to Standard Clinical MR Images. PLoS ONE, 2011, 6, e17547. | 1.1 | 64 |
| 39 | Predicting language outcomes after stroke: Is structural disconnection a useful predictor?. NeuroImage: Clinical, 2018, 19, 22-29. | 1.4 | 62 |
| 40 | Reading without the left ventral occipito-temporal cortex. Neuropsychologia, 2012, 50, 3621-3635. | 0.7 | 60 |
| 41 | The role of the thalamus in amnesia: A tractography, high-resolution MRI and neuropsychological study. Neuropsychologia, 2008, 46, 2745-2758. | 0.7 | 57 |
| 42 | Less is more: neural mechanisms underlying anomia treatment in chronic aphasic patients. Brain, 2017, 140, 3039-3054. | 3.7 | 57 |
| 43 | Neuroplasticity and aphasia treatments: new approaches for an old problem. Journal of Neurology, Neurosurgery and Psychiatry, 2019, 90, 1147-1155. | 0.9 | 55 |
| 44 | How right hemisphere damage after stroke can impair speech comprehension. Brain, 2018, 141, 3389-3404. | 3.7 | 53 |
| 45 | Rehabilitation of hemianopia. Current Opinion in Neurology, 2009, 22, 36-40. | 1.8 | 52 |
| 46 | Cognition in stroke rehabilitation and recovery research: Consensus-based core recommendations from the second Stroke Recovery and Rehabilitation Roundtable. International Journal of Stroke, 2019, 14, 774-782. | 2.9 | 52 |
| 47 | Using functional imaging to understand therapeutic effects in poststroke aphasia. Current Opinion in Neurology, 2015, 28, 330-337. | 1.8 | 48 |
| 48 | Read-Right: a "web app" that improves reading speeds in patients with hemianopia. Journal of Neurology, 2012, 259, 2611-2615. | 1.8 | 47 |
| 49 | Auditory training changes temporal lobe connectivity in 'Wernicke's aphasia': a randomised trial. Journal of Neurology, Neurosurgery and Psychiatry, 2017, 88, 586-594. | 0.9 | 47 |
| 50 | Plasticity of human auditory-evoked fields induced by shock conditioning and contingency reversal. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 12545-12550. | 3.3 | 46 |
| 51 | Predictors of Poststroke Aphasia Recovery. Stroke, 2021, 52, 1778-1787. | 1.0 | 46 |
| 52 | Distinguishing the effect of lesion load from tract disconnection in the arcuate and uncinate fasciculi. NeuroImage, 2016, 125, 1169-1173. | 2.1 | 44 |
| 53 | Modulation of frontal effective connectivity during speech. NeuroImage, 2016, 140, 126-133. | 2.1 | 44 |
| 54 | Dosage, Intensity, and Frequency of Language Therapy for Aphasia: A Systematic Review–Based, Individual Participant Data Network Meta-Analysis. Stroke, 2022, 53, 956-967. | 1.0 | 44 |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 55 | Reading therapy strengthens top–down connectivity in patients with pure alexia. Brain, 2013, 136, 2579-2591. | 3.7 | 41 |
| 56 | Dynamic causal modelling for functional near-infrared spectroscopy. NeuroImage, 2015, 111, 338-349. | 2.1 | 41 |
| 57 | The right hemisphere supports but does not replace left hemisphere auditory function in patients with persisting aphasia. Brain, 2013, 136, 1901-1912. | 3.7 | 40 |
| 58 | Sight and sound out of synch: Fragmentation and renormalisation of audiovisual integration and subjective timing. Cortex, 2013, 49, 2875-2887. | 1.1 | 39 |
| 59 | Functional near infrared spectroscopy as a probe of brain function in people with prolonged disorders of consciousness. NeuroImage: Clinical, 2016, 12, 312-319. | 1.4 | 39 |
| 60 | Vowel-specific mismatch responses in the anterior superior temporal gyrus: An fMRI study. Cortex, 2009, 45, 517-526. | 1.1 | 38 |
| 61 | Gradual Lesion Expansion and Brain Shrinkage Years After Stroke. Stroke, 2014, 45, 877-879. | 1.0 | 38 |
| 62 | Treatment of reading impairment after stroke. Current Opinion in Neurology, 2008, 21, 644-648. | 1.8 | 36 |
| 63 | Changes in Auditory Feedback Connections Determine the Severity of Speech Processing Deficits after Stroke. Journal of Neuroscience, 2012, 32, 4260-4270. | 1.7 | 35 |
| 64 | Patients with a severe prolonged Disorder of Consciousness can show classical EEG responses to their own name compared with others' names. NeuroImage: Clinical, 2018, 19, 311-319. | 1.4 | 34 |
| 65 | How distributed processing produces false negatives in voxel-based lesion-deficit analyses. Neuropsychologia, 2018, 115, 124-133. | 0.7 | 30 |
| 66 | Facilitating text reading in posterior cortical atrophy. Neurology, 2015, 85, 339-348. | 1.5 | 29 |
| 67 | Randomized trial of iReadMore word reading training and brain stimulation in central alexia. Brain, 2018, 141, 2127-2141. | 3.7 | 29 |
| 68 | The Architect Who Lost the Ability to Imagine: The Cerebral Basis of Visual Imagery. Brain Sciences, 2020, 10, 59. | 1.1 | 29 |
| 69 | Rapid compensation of visual search strategy in patients with chronic visual field defects. Cortex, 2013, 49, 994-1000. | 1.1 | 28 |
| 70 | Eye–Search: A web–based therapy that improves visual search in hemianopia. Annals of Clinical and Translational Neurology, 2015, 2, 74-78. | 1.7 | 28 |
| 71 | Brief Communication Complex Partial Status Epilepticus in Late-Onset MELAS. Epilepsia, 1998, 39, 438-441. | 2.6 | 27 |
| 72 | Sensory-to-motor integration during auditory repetition: a combined fMRI and lesion study. Frontiers in Human Neuroscience, 2014, 8, 24. | 1.0 | 27 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 73 | Auditory Short-term Memory Capacity Correlates with Gray Matter Density in the Left Posterior STS in Cognitively Normal and Dyslexic Adults. Journal of Cognitive Neuroscience, 2011, 23, 3746-3756. | 1.1 | 24 |
| 74 | Dopaminergic therapy in aphasia. Aphasiology, 2014, 28, 155-170. | 1.4 | 24 |
| 75 | Is central nervous system processing altered in patients with heart failure?. European Heart Journal, 2004, 25, 952-962. | 1.0 | 22 |
| 76 | Auditory–Motor Interactions for the Production of Native and Non-Native Speech. Journal of Neuroscience, 2013, 33, 2376-2387. | 1.7 | 22 |
| 77 | Automated identification of brain tumors from single MR images based on segmentation with refined patient-specific priors. Frontiers in Neuroscience, 2013, 7, 241. | 1.4 | 20 |
| 78 | Changing meaning causes coupling changes within higher levels of the cortical hierarchy. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 11765-11770. | 3.3 | 19 |
| 79 | A 'web app' for diagnosing hemianopia. Journal of Neurology, Neurosurgery and Psychiatry, 2012, 83, 1222-1224. | 0.9 | 18 |
| 80 | Can fully automated detection of corticospinal tract damage be used in stroke patients?. Neurology, 2013, 80, 2242-2245. | 1.5 | 18 |
| 81 | Parallel recovery in a trilingual speaker: the use of the Bilingual Aphasia Test as a diagnostic complement to the Comprehensive Aphasia Test. Clinical Linguistics and Phonetics, 2011, 25, 499-512. | 0.5 | 17 |
| 82 | Randomised, double-blind, placebo-controlled crossover study of single-dose guanfacine in unilateral neglect following stroke. Journal of Neurology, Neurosurgery and Psychiatry, 2018, 89, 593-598. | 0.9 | 17 |
| 83 | Using transcranial magnetic stimulation of the undamaged brain to identify lesion sites that predict language outcome after stroke. Brain, 2017, 140, 1729-1742. | 3.7 | 16 |
| 84 | Clinical Effectiveness of the Queen Square Intensive Comprehensive Aphasia Service for Patients With Poststroke Aphasia. Stroke, 2021, 52, e594-e598. | 1.0 | 16 |
| 85 | Efficacy of spoken word comprehension therapy in patients with chronic aphasia: a cross-over randomised controlled trial with structural imaging. Journal of Neurology, Neurosurgery and Psychiatry, 2021, 92, 418-424. | 0.9 | 15 |
| 86 | Category-selective deficits are the exception and not the rule: Evidence from a case-series of 64 patients with ventral occipito-temporal cortex damage. Cortex, 2021, 138, 266-281. | 1.1 | 15 |
| 87 | Dorsal and ventral visual stream contributions to preserved reading ability in patients with central alexia. Cortex, 2018, 106, 200-212. | 1.1 | 14 |
| 88 | Alexia. , 2014, , . | | 13 |
| 89 | Lesion-site-dependent responses to therapy after aphasic stroke. Journal of Neurology, Neurosurgery and Psychiatry, 2018, 89, 1352-1354. | 0.9 | 13 |
| 90 | Late recovery of awareness in prolonged disorders of consciousness –a cross-sectional cohort study. Disability and Rehabilitation, 2018, 40, 2433-2438. | 0.9 | 13 |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 91 | Variational Bayesian inversion for hierarchical unsupervised generative embedding (HUGE). NeuroImage, 2018, 179, 604-619. | 2.1 | 12 |
| 92 | Precision rehabilitation for aphasia by patient age, sex, aphasia severity, and time since stroke? A prespecified, systematic review-based, individual participant data, network, subgroup meta-analysis. International Journal of Stroke, 2022, 17, 1067-1077. | 2.9 | 12 |
| 93 | Has speech and language therapy been shown not to work?. Nature Reviews Neurology, 2012, 8, 600-601. | 4.9 | 11 |
| 94 | Safety of Tattoos in Persons Undergoing MRI. New England Journal of Medicine, 2019, 380, 495-496. | 13.9 | 11 |
| 95 | Neuro-Rehabilitation OnLine (N-ROL): description and evaluation of a group-based telerehabilitation programme for acquired brain injury. Journal of Neurology, Neurosurgery and Psychiatry, 2021, 92, jnnp-2021-326809. | 0.9 | 11 |
| 96 | Brain regions that support accurate speech production after damage to Broca's area. Brain Communications, 2021, 3, fcab230. | 1.5 | 9 |
| 97 | Thomas Laycock and the cerebral reflex: a function arising from and pointing to the unity of Nature. History of Psychiatry, 1991, 2, 385-407. | 0.1 | 8 |
| 98 | Between Thought and Expression, a Magnetoencephalography Study of the "Tip-of-the-Tongue" Phenomenon. Journal of Cognitive Neuroscience, 2014, 26, 2210-2223. | 1.1 | 8 |
| 99 | Cognition in Stroke Rehabilitation and Recovery Research: Consensus-Based Core Recommendations From the Second Stroke Recovery and Rehabilitation Roundtable. Neurorehabilitation and Neural Repair, 2019, 33, 943-950. | 1.4 | 8 |
| 100 | The clinical effectiveness of Eye-Search therapy for patients with hemianopia, neglect or hemianopia and neglect. Neuropsychological Rehabilitation, 2021, 31, 971-982. | 1.0 | 8 |
| 101 | Lesions that do or do not impair digit span: a study of 816 stroke survivors. Brain Communications, 2021, 3, fcab031. | 1.5 | 8 |
| 102 | Web-based therapy for hemianopic alexia is syndrome-specific. BMJ Innovations, 2015, 1, 88-95. | 1.0 | 7 |
| 103 | How number processing survives left occipito-temporal damage. Neurocase, 2012, 18, 271-285. | 0.2 | 6 |
| 104 | ReadClear: An Assistive Reading Tool for People Living with Posterior Cortical Atrophy. Journal of Alzheimer's Disease, 2019, 71, 1285-1295. | 1.2 | 6 |
| 105 | NUVA: A Naming Utterance Verifier for Aphasia Treatment. Computer Speech and Language, 2021, 69, 101221. | 2.9 | 6 |
| 106 | Lesion site and therapy time predict responses to a therapy for anomia after stroke: a prognostic model development study. Scientific Reports, 2021, 11, 18572. | 1.6 | 5 |
| 107 | How Does iReadMore Therapy Change the Reading Network of Patients with Central Alexia?. Journal of Neuroscience, 2019, 39, 5719-5727. | 1.7 | 4 |
| 108 | The impact of the UK COVID-19 pandemic on patient-reported health outcomes after stroke: a retrospective sequential comparison. Journal of Neurology, 2021, , 1. | 1.8 | 4 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 109 | Hemianopic Alexia. , 2014, , 31-69. | | 3 |
| 110 | Word-superiority in pure alexia. Behavioural Neurology, 2013, 26, 167-9. | 1.1 | 3 |
| 111 | Utilising a systematic review-based approach to create a database of individual participant data for meta- and network meta-analyses: the RELEASE database of aphasia after stroke. Aphasiology, 2022, 36, 513-533. | 1.4 | 3 |
| 112 | An inability to learn to read caused by shaken baby syndrome. BMJ Case Reports, 2014, 2014, bcr2013203070-bcr2013203070. | 0.2 | 2 |
| 113 | Tatsuji Inouye (1881â€"1976). Journal of Neurology, 2015, 262, 2399-2400. | 1.8 | 2 |
| 114 | The striate cortex and hemianopia. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2021, 178, 115-129. | 1.0 | 2 |
| 115 | Better long-term speech outcomes in stroke survivors who received early clinical speech and language therapy: Whatâ€™s driving recovery?. Neuropsychological Rehabilitation, 2022, 32, 2319-2341. | 1.0 | 2 |
| 116 | Pure Alexia. , 2014, , 71-115. | | 1 |
| 117 | Rethinking damaged cognition: an expert opinion on cognitive rehabilitation. Advances in Clinical Neuroscience & Rehabilitation: ACNR, 2021, 20, 6-8. | 0.1 | 1 |
| 118 | Systemic Conditions and Neurology. , 0, , 913-943. | | 0 |
| 119 | The cost to see the Wizard: buy-ins and trade-offs in neurological rehabilitation. Brain, 2021, 144, 1627-1628. | 3.7 | 0 |
| 120 | Rehabilitation of visual disorders. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2021, 178, 361-386. | 1.0 | 0 |
| 121 | Jargon Dyslexia: A Single Case Study of Intact Reading Comprehension in a Jargon Dysphasic. Neurocase, 2000, 6, 499-507. | 0.2 | 0 |
| 122 | Central Alexia. , 2014, , 117-146. | | 0 |
| 123 | Alexia Theory and Therapies: A Heuristic. , 2014, , 147-164. | | 0 |
| 124 | How Do We Read?. , 2014, , 1-30. | | 0 |
| 125 | Behavioural profiles and neural correlates of higher-level vision after posterior cerebral artery stroke. Journal of Vision, 2019, 19, 21c. | 0.1 | 0 |
| 126 | Word and face recognition in posterior stroke â€" behavioural patterns and lesion lateralization. Journal of Vision, 2019, 19, 173. | 0.1 | 0 |

| # | Article | IF | Citations |
|---|---------|----|-----------| 
| 127 | An expert opinion in speech and language therapy: The Queen Square Intensive Comprehensive Aphasia Programme. Advances in Clinical Neuroscience & Rehabilitation: ACNR, 2020, 19, 21-23. | 0.1 | 0 |
| 128 | Go, COMPARE!. Journal of Neurology, Neurosurgery and Psychiatry, 2022, 93, 913-914. | 0.9 | 0 |