# Jason D Yeatman

List of Publications by Year
in descending order



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|---|---|---|---|
| 76 papers | 5,704 citations | 172457 29 h-index | 114465 63 g-index |
| 100 all docs | 100 docs citations | 100 times ranked | 6030 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | The challenge of mapping the human connectome based on diffusion tractography. Nature Communications, 2017, 8, 1349. | 12.8 | 956 |
| 2 | Tract Profiles of White Matter Properties: Automating Fiber-Tract Quantification. PLoS ONE, 2012, 7, e49790. | 2.5 | 669 |
| 3 | Lifespan maturation and degeneration of human brain white matter. Nature Communications, 2014, 5, 4932. | 12.8 | 335 |
| 4 | Development of white matter and reading skills. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E3045-53. | 7.1 | 288 |
| 5 | Anatomical Properties of the Arcuate Fasciculus Predict Phonological and Reading Skills in Children. Journal of Cognitive Neuroscience, 2011, 23, 3304-3317. | 2.3 | 284 |
| 6 | Quantifying the local tissue volume and composition in individual brains with magnetic resonance imaging. Nature Medicine, 2013, 19, 1667-1672. | 30.7 | 261 |
| 7 | Evaluation and statistical inference for human connectomes. Nature Methods, 2014, 11, 1058-1063. | 19.0 | 225 |
| 8 | The vertical occipital fasciculus: A century of controversy resolved by in vivo measurements. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E5214-23. | 7.1 | 221 |
| 9 | Anatomy of the visual word form area: Adjacent cortical circuits and long-range white matter connections. Brain and Language, 2013, 125, 146-155. | 1.6 | 206 |
| 10 | A Major Human White Matter Pathway Between Dorsal and Ventral Visual Cortex. Cerebral Cortex, 2016, 26, 2205-2214. | 2.9 | 139 |
| 11 | QSIPrep: an integrative platform for preprocessing and reconstructing diffusion MRI data. Nature Methods, 2021, 18, 775-778. | 19.0 | 127 |
| 12 | Learning to See Words. Annual Review of Psychology, 2012, 63, 31-53. | 17.7 | 121 |
| 13 | Bottom-up and top-down computations in word- and face-selective cortex. ELife, 2017, 6, . | 6.0 | 118 |
| 14 | Biological development of reading circuits. Current Opinion in Neurobiology, 2013, 23, 261-268. | 4.2 | 112 |
| 15 | Rapid and widespread white matter plasticity during an intensive reading intervention. Nature Communications, 2018, 9, 2260. | 12.8 | 107 |
| 16 | Diffusion properties of major white matter tracts in young, typically developing children. NeuroImage, 2014, 88, 143-154. | 4.2 | 76 |
| 17 | Controlling for Participantsâ€™ Viewing Distance in Large-Scale, Psychophysical Online Experiments Using a Virtual Chinrest. Scientific Reports, 2020, 10, 904. | 3.3 | 74 |
| 18 | The posterior arcuate fasciculus and the vertical occipital fasciculus. Cortex, 2017, 97, 274-276. | 2.4 | 70 |

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|---|---|---|---|
| 19 | Evaluating g-ratio weighted changes in the corpus callosum as a function of age and sex. NeuroImage, 2018, 182, 304-313. | 4.2 | 68 |
| 20 | Specific language and reading skills in school-aged children and adolescents are associated with prematurity after controlling for IQ. Neuropsychologia, 2011, 49, 906-913. | 1.6 | 67 |
| 21 | Evaluating the Accuracy of Diffusion MRI Models in White Matter. PLoS ONE, 2015, 10, e0123272. | 2.5 | 67 |
| 22 | Parallel spatial channels converge at a bottleneck in anterior word-selective cortex. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 10087-10096. | 7.1 | 66 |
| 23 | White Matter Consequences of Retinal Receptor and Ganglion Cell Damage. Investigative Ophthalmology and Visual Science, 2014, 55, 6976-6986. | 3.3 | 65 |
| 24 | The corticospinal tract profile in amyotrophic lateral sclerosis. Human Brain Mapping, 2017, 38, 727-739. | 3.6 | 54 |
| 25 | Abnormal white matter properties in adolescent girls with anorexia nervosa. NeuroImage: Clinical, 2015, 9, 648-659. | 2.7 | 48 |
| 26 | A browser-based tool for visualization and analysis of diffusion MRI data. Nature Communications, 2018, 9, 940. | 12.8 | 46 |
| 27 | Individual differences in auditory sentence comprehension in children: An exploratory event-related functional magnetic resonance imaging investigation. Brain and Language, 2010, 114, 72-79. | 1.6 | 42 |
| 28 | Combining Citizen Science and Deep Learning to Amplify Expertise in Neuroimaging. Frontiers in Neuroinformatics, 2019, 13, 29. | 2.5 | 41 |
| 29 | Optimizing text for an individual's visual system: The contribution of visual crowding to reading difficulties. Cortex, 2018, 103, 291-301. | 2.4 | 39 |
| 30 | Word selectivity in high-level visual cortex and reading skill. Developmental Cognitive Neuroscience, 2019, 36, 100593. | 4.0 | 38 |
| 31 | Applying microstructural models to understand the role of white matter in cognitive development. Developmental Cognitive Neuroscience, 2019, 36, 100624. | 4.0 | 37 |
| 32 | Reading: The Confluence of Vision and Language. Annual Review of Vision Science, 2021, 7, 487-517. | 4.4 | 35 |
| 33 | Neural plasticity after pre-linguistic injury to the arcuate and superior longitudinal fasciculi. Cortex, 2013, 49, 301-311. | 2.4 | 34 |
| 34 | Diffusional Kurtosis Imaging in the Diffusion Imaging in Python Project. Frontiers in Human Neuroscience, 2021, 15, 675433. | 2.0 | 34 |
| 35 | Bridging sensory and language theories of dyslexia: Toward a multifactorial model. Developmental Science, 2021, 24, e13039. | 2.4 | 33 |
| 36 | The link between reading ability and visual spatial attention across development. Cortex, 2019, 121, 44-59. | 2.4 | 29 |

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|---|---|---|---|
| 37 | White matter myelination during early infancy is linked to spatial gradients and myelin content at birth. Nature Communications, 2022, 13, 997. | 12.8 | 29 |
| 38 | Tractography optimization using quantitative T1 mapping in the human optic radiation. NeuroImage, 2018, 181, 645-658. | 4.2 | 28 |
| 39 | Effects of early language, speech, and cognition on later reading: a mediation analysis. Frontiers in Psychology, 2013, 4, 586. | 2.1 | 27 |
| 40 | Aging-Resilient Associations between the Arcuate Fasciculus and Vocabulary Knowledge: Microstructure or Morphology?. Journal of Neuroscience, 2016, 36, 7210-7222. | 3.6 | 27 |
| 41 | Evaluating the Reliability of Human Brain White Matter Tractometry. , 2021, 2021, . | | 27 |
| 42 | You Canâ€™t Recognize Two Words Simultaneously. Trends in Cognitive Sciences, 2019, 23, 812-814. | 7.8 | 25 |
| 43 | Anatomy and physiology of word-selective visual cortex: from visual features to lexical processing. Brain Structure and Function, 2021, 226, 3051-3065. | 2.3 | 25 |
| 44 | Evaluating arcuate fasciculus laterality measurements across dataset and tractography pipelines. Human Brain Mapping, 2019, 40, 3695-3711. | 3.6 | 24 |
| 45 | The causal relationship between dyslexia and motion perception reconsidered. Scientific Reports, 2017, 7, 4185. | 3.3 | 22 |
| 46 | Reading ability and phoneme categorization. Scientific Reports, 2018, 8, 16842. | 3.3 | 17 |
| 47 | White matter fascicles and cortical microstructure predict reading-related responses in human ventral temporal cortex. NeuroImage, 2021, 227, 117669. | 4.2 | 16 |
| 48 | Using Diffusion Tensor Imaging and Fiber Tracking to Characterize Diffuse Perinatal White Matter Injury: A Case Report. Journal of Child Neurology, 2009, 24, 795-800. | 1.4 | 15 |
| 49 | Multidimensional analysis and detection of informative features in human brain white matter. PLoS Computational Biology, 2021, 17, e1009136. | 3.2 | 14 |
| 50 | Automaticity in the reading circuitry. Brain and Language, 2021, 214, 104906. | 1.6 | 12 |
| 51 | Neurobiological underpinnings of rapid white matter plasticity during intensive reading instruction. NeuroImage, 2021, 243, 118453. | 4.2 | 12 |
| 52 | A Comparison of Quantitative R1 and Cortical Thickness in Identifying Age, Lifespan Dynamics, and Disease States of the Human Cortex. Cerebral Cortex, 2021, 31, 1211-1226. | 2.9 | 10 |
| 53 | Development of the visual white matter pathways mediates development of electrophysiological responses in visual cortex. Human Brain Mapping, 2021, 42, 5785-5797. | 3.6 | 10 |
| 54 | Rapid online assessment of reading ability. Scientific Reports, 2021, 11, 6396. | 3.3 | 9 |

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| --- | --- | --- | --- |
| 55 | Speed discrimination predicts word but not pseudo-word reading rate in adults and children. Brain and Language, 2014, 138, 27-37. | 1.6 | 7 |
| 56 | Intensive Summer Intervention Drives Linear Growth of Reading Skill in Struggling Readers. Frontiers in Psychology, 2019, 10, 1900. | 2.1 | 7 |
| 57 | Categorical phoneme labeling in children with dyslexia does not depend on stimulus duration. Journal of the Acoustical Society of America, 2019, 146, 245-255. | 1.1 | 6 |
| 58 | Spatial attention in encoding letter combinations. Scientific Reports, 2021, 11, 24179. | 3.3 | 4 |
| 59 | Groupyr: Sparse Group Lasso in Python. Journal of Open Source Software, 2021, 6, 3024. | 4.6 | 3 |
| 60 | Audiovisual Speech Processing in Relationship to Phonological and Vocabulary Skills in First Graders. Journal of Speech, Language, and Hearing Research, 2021, 64, 5022-5040. | 1.6 | 3 |
| 61 | Can an Online Reading Camp Teach 5-Year-Old Children to Read?. Frontiers in Human Neuroscience, 2022, 16, 793213. | 2.0 | 3 |
| 62 | Annotating digital text with phonemic cues to support decoding in struggling readers. PLoS ONE, 2020, 15, e0243435. | 2.5 | 2 |
| 63 | Context effects on phoneme categorization in children with dyslexia. Journal of the Acoustical Society of America, 2020, 148, 2209-2222. | 1.1 | 1 |
| 64 | Abnormal White Matter Properties in Adolescent Girls With Anorexia Nervosa. Journal of Adolescent Health, 2016, 58, S24-S25. | 2.5 | 0 |
| 65 | Mechanisms of covert spatial attention in encoding letter combinations. Journal of Vision, 2021, 21, 2268. | 0.3 | 0 |
| 66 | White matter anatomy and cortical microstructure predict reading-related responses in ventral temporal cortex. Journal of Vision, 2020, 20, 201. | 0.3 | 0 |
| 67 | Annotating digital text with phonemic cues to support decoding in struggling readers. , 2020, 15, e0243435. | | 0 |
| 68 | Annotating digital text with phonemic cues to support decoding in struggling readers. , 2020, 15, e0243435. | | 0 |
| 69 | Annotating digital text with phonemic cues to support decoding in struggling readers. , 2020, 15, e0243435. | | 0 |
| 70 | Annotating digital text with phonemic cues to support decoding in struggling readers. , 2020, 15, e0243435. | | 0 |
| 71 | Annotating digital text with phonemic cues to support decoding in struggling readers. , 2020, 15, e0243435. | | 0 |
| 72 | Annotating digital text with phonemic cues to support decoding in struggling readers. , 2020, 15, e0243435. | | 0 |

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| 73 | Annotating digital text with phonemic cues to support decoding in struggling readers. , 2020, 15, e0243435. | | 0 |
| 74 | Annotating digital text with phonemic cues to support decoding in struggling readers. , 2020, 15, e0243435. | | 0 |
| 75 | Annotating digital text with phonemic cues to support decoding in struggling readers. , 2020, 15, e0243435. | | 0 |
| 76 | Annotating digital text with phonemic cues to support decoding in struggling readers. , 2020, 15, e0243435. | | 0 |