# David G Amaral

List of Publications by Year
in descending order



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|---|---|---|---|
| 255 papers | 35,838 citations | 3334 91 h-index | 4014 176 g-index |
| 269 all docs | 269 docs citations | 269 times ranked | 28250 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Neuroanatomy of autism. Trends in Neurosciences, 2008, 31, 137-145. | 8.6 | 1,308 |
| 2 | Perirhinal and parahippocampal cortices of the macaque monkey: Cortical afferents. Journal of Comparative Neurology, 1994, 350, 497-533. | 1.6 | 1,064 |
| 3 | Family income, parental education and brain structure in children and adolescents. Nature Neuroscience, 2015, 18, 773-778. | 14.8 | 979 |
| 4 | A golgi study of cell types in the hilar region of the hippocampus in the rat. Journal of Comparative Neurology, 1978, 182, 851-914. | 1.6 | 835 |
| 5 | Organization of intrahippocampal projections originating from CA3 pyramidal cells in the rat. Journal of Comparative Neurology, 1990, 295, 580-623. | 1.6 | 779 |
| 6 | The Amygdala Is Enlarged in Children But Not Adolescents with Autism; the Hippocampus Is Enlarged at All Ages. Journal of Neuroscience, 2004, 24, 6392-6401. | 3.6 | 727 |
| 7 | Hippocampal-neocortical interaction: A hierarchy of associativity. Hippocampus, 2000, 10, 420-430. | 1.9 | 702 |
| 8 | Three Cases of Enduring Memory Impairment after Bilateral Damage Limited to the Hippocampal Formation. Journal of Neuroscience, 1996, 16, 5233-5255. | 3.6 | 688 |
| 9 | Excitotoxin-induced neuronal degeneration and seizure are mediated by tissue plasminogen activator. Nature, 1995, 377, 340-344. | 27.8 | 651 |
| 10 | Disruptive CHD8 Mutations Define a Subtype of Autism Early in Development. Cell, 2014, 158, 263-276. | 28.9 | 637 |
| 11 | The dentate gyrus: fundamental neuroanatomical organization (dentate gyrus for dummies). Progress in Brain Research, 2007, 163, 3-790. | 1.4 | 633 |
| 12 | Cortical afferents of the perirhinal, postrhinal, and entorhinal cortices of the rat. Journal of Comparative Neurology, 1998, 398, 179-205. | 1.6 | 626 |
| 13 | Refining analyses of copy number variation identifies specific genes associated with developmental delay. Nature Genetics, 2014, 46, 1063-1071. | 21.4 | 583 |
| 14 | Topographic organization of projections from the amygdala to the visual cortex in the macaque monkey. Neuroscience, 2003, 118, 1099-1120. | 2.3 | 570 |
| 15 | Development of the mossy fibers of the dentate gyrus: I. A light and electron microscopic study of the mossy fibers and their expansions. Journal of Comparative Neurology, 1981, 195, 51-86. | 1.6 | 555 |
| 16 | Perirhinal and postrhinal cortices of the rat: A review of the neuroanatomical literature and comparison with findings from the monkey brain. Hippocampus, 1995, 5, 390-408. | 1.9 | 516 |
| 17 | Autism Spectrum Disorders. Neuron, 2000, 28, 355-363. | 8.1 | 452 |
| 18 | A light and electron microscopic analysis of the mossy fibers of the rat dentate gyrus. Journal of Comparative Neurology, 1986, 246, 435-458. | 1.6 | 446 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Targeted sequencing identifies 91 neurodevelopmental-disorder risk genes with autism and developmental-disability biases. Nature Genetics, 2017, 49, 515-526. | 21.4 | 443 |
| 20 | Entorhinal cortex of the monkey: V. Projections to the dentate gyrus, hippocampus, and subicular complex. Journal of Comparative Neurology, 1991, 307, 437-459. | 1.6 | 438 |
| 21 | H. M.â€™s Medial Temporal Lobe Lesion: Findings from Magnetic Resonance Imaging. Journal of Neuroscience, 1997, 17, 3964-3979. | 3.6 | 407 |
| 22 | Chapter 1 Chapter Neurons, numbers and the hippocampal network. Progress in Brain Research, 1990, 83, 1-11. | 1.4 | 400 |
| 23 | Perirhinal and postrhinal cortices of the rat: Interconnectivity and connections with the entorhinal cortex. , 1998, 391, 293-321. | | 393 |
| 24 | Subcortical afferents to the hippocampal formation in the monkey. Journal of Comparative Neurology, 1980, 189, 573-591. | 1.6 | 377 |
| 25 | Macaque monkey retrosplenial cortex: II. Cortical afferents. Journal of Comparative Neurology, 2003, 466, 48-79. | 1.6 | 363 |
| 26 | Neural and behavioral substrates of mood and mood regulation. Biological Psychiatry, 2002, 52, 478-502. | 1.3 | 355 |
| 27 | Stereological Analysis of Amygdala Neuron Number in Autism. Journal of Neuroscience, 2006, 26, 7674-7679. | 3.6 | 351 |
| 28 | A comprehensive transcriptional map of primate brain development. Nature, 2016, 535, 367-375. | 27.8 | 341 |
| 29 | The primate amygdala and the neurobiology of social behavior: implications for understanding social anxiety. Biological Psychiatry, 2002, 51, 11-17. | 1.3 | 328 |
| 30 | Neuroanatomical Assessment of Biological Maturity. Current Biology, 2012, 22, 1693-1698. | 3.9 | 328 |
| 31 | Entorhinal cortex of the rat: Topographic organization of the cells of origin of the perforant path projection to the dentate gyrus. Journal of Comparative Neurology, 1998, 398, 25-48. | 1.6 | 318 |
| 32 | Some observations on cortical inputs to the macaque monkey amygdala: An anterograde tracing study. Journal of Comparative Neurology, 2002, 451, 301-323. | 1.6 | 314 |
| 33 | Insular Cortical Projections to Functional Regions of the Striatum Correlate with Cortical Cytoarchitectonic Organization in the Primate. Journal of Neuroscience, 1997, 17, 9686-9705. | 3.6 | 303 |
| 34 | Macaque monkey retrosplenial cortex: III. Cortical efferents. Journal of Comparative Neurology, 2007, 502, 810-833. | 1.6 | 292 |
| 35 | The development, ultrastructure and synaptic connections of the mossy cells of the dentate gyrus. Journal of Neurocytology, 1985, 14, 835-857. | 1.5 | 289 |
| 36 | A quantitative analysis of the dendritic organization of pyramidal cells in the rat hippocampus. Journal of Comparative Neurology, 1995, 362, 17-45. | 1.6 | 289 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Hippocampal Formation. , 1990, , 711-755. | | 277 |
| 38 | Early brain enlargement and elevated extra-axial fluid in infants who develop autism spectrum disorder. Brain, 2013, 136, 2825-2835. | 7.6 | 269 |
| 39 | Perirhinal and parahippocampal cortices of the macaque monkey: Projections to the neocortex. Journal of Comparative Neurology, 2002, 447, 394-420. | 1.6 | 267 |
| 40 | SPARK: A US Cohort of 50,000 Families to Accelerate Autism Research. Neuron, 2018, 97, 488-493. | 8.1 | 265 |
| 41 | Individual differences in the cognitive and neurobiological consequences of normal aging. Trends in Neurosciences, 1992, 15, 340-345. | 8.6 | 261 |
| 42 | Cortical Folding Abnormalities in Autism Revealed by Surface-Based Morphometry. Journal of Neuroscience, 2007, 27, 11725-11735. | 3.6 | 253 |
| 43 | The Pediatric Imaging, Neurocognition, and Genetics (PING) Data Repository. NeuroImage, 2016, 124, 1149-1154. | 4.2 | 251 |
| 44 | Activation of the Maternal Immune System During Pregnancy Alters Behavioral Development of Rhesus Monkey Offspring. Biological Psychiatry, 2014, 75, 332-341. | 1.3 | 249 |
| 45 | The effects of bilateral lesions of the amygdala on dyadic social interactions in rhesus monkeys (Macaca mulatta).. Behavioral Neuroscience, 2001, 115, 515-544. | 1.2 | 248 |
| 46 | The Amygdala, Social Behavior, and Danger Detection. Annals of the New York Academy of Sciences, 2003, 1000, 337-347. | 3.8 | 242 |
| 47 | Increased social fear and decreased fear of objects in monkeys with neonatal amygdala lesions. Neuroscience, 2001, 106, 653-658. | 2.3 | 229 |
| 48 | Organization of CA1 projections to the subiculum: A PHA-L analysis in the rat. Hippocampus, 1991, 1, 415-435. | 1.9 | 228 |
| 49 | Organization of radial glial cells during the development of the rat dentate gyrus. Journal of Comparative Neurology, 1987, 264, 449-479. | 1.6 | 226 |
| 50 | Intrinsic connections of the rat amygdaloid complex: Projections originating in the lateral nucleus. Journal of Comparative Neurology, 1995, 356, 288-310. | 1.6 | 223 |
| 51 | Entorhinal cortex of the rat: Organization of intrinsic connections. , 1998, 398, 49-82. | | 213 |
| 52 | Brain enlargement is associated with regression in preschool-age boys with autism spectrum disorders. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 20195-20200. | 7.1 | 210 |
| 53 | Quantitative, threeâ€dimensional analysis of granule cell dendrites in the rat dentate gyrus. Journal of Comparative Neurology, 1990, 302, 206-219. | 1.6 | 208 |
| 54 | The organization of projections from the amygdala to visual cortical areas TE and V1 in the macaque monkey. Journal of Comparative Neurology, 2005, 486, 295-317. | 1.6 | 204 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Stereotypies and hyperactivity in rhesus monkeys exposed to IgG from mothers of children with autism. Brain, Behavior, and Immunity, 2008, 22, 806-816. | 4.1 | 203 |
| 56 | Emerging principles of intrinsic hippocampal organization. Current Opinion in Neurobiology, 1993, 3, 225-229. | 4.2 | 192 |
| 57 | Multimodal imaging of the self-regulating developing brain. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 19620-19625. | 7.1 | 192 |
| 58 | Hippocampal Formation. , 2004, , 635-704. | | 191 |
| 59 | Entorhinal Cortex Lesions Disrupt the Relational Organization of Memory in Monkeys. Journal of Neuroscience, 2004, 24, 9811-9825. | 3.6 | 178 |
| 60 | Organization of connections between the amygdaloid complex and the perirhinal and parahippocampal cortices in macaque monkeys. , 1996, 375, 552-582. | | 177 |
| 61 | The Rhesus Monkey Connectome Predicts Disrupted Functional Networks Resulting from Pharmacogenetic Inactivation of the Amygdala. Neuron, 2016, 91, 453-466. | 8.1 | 173 |
| 62 | Increased Extra-axial Cerebrospinal Fluid in High-Risk Infants Who Later Develop Autism. Biological Psychiatry, 2017, 82, 186-193. | 1.3 | 173 |
| 63 | Increased Rate of Amygdala Growth in Children Aged 2 to 4 Years With Autism Spectrum Disorders. Archives of General Psychiatry, 2012, 69, 53. | 12.3 | 170 |
| 64 | Topographic organization of cortical inputs to the lateral nucleus of the macaque monkey amygdala: A retrograde tracing study. Journal of Comparative Neurology, 2000, 421, 52-79. | 1.6 | 167 |
| 65 | The NIH Toolbox Cognition Battery: Results from a large normative developmental sample (PING).. Neuropsychology, 2014, 28, 1-10. | 1.3 | 163 |
| 66 | Retrograde transport of D-[3H]-aspartate injected into the monkey amygdaloid complex. Experimental Brain Research, 1992, 88, 375-388. | 1.5 | 161 |
| 67 | Long-term influence of normal variation in neonatal characteristics on human brain development. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 20089-20094. | 7.1 | 158 |
| 68 | Genome-wide detection of tandem DNA repeats that are expanded in autism. Nature, 2020, 586, 80-86. | 27.8 | 155 |
| 69 | How do rhesus monkeys ( Macaca mulatta ) scan faces in a visual paired comparison task?. Animal Cognition, 2004, 7, 25-36. | 1.8 | 149 |
| 70 | Cholinergic innervation of the monkey amygdala: An immunohistochemical analysis with antisera to choline acetyltransferase. Journal of Comparative Neurology, 1989, 281, 337-361. | 1.6 | 148 |
| 71 | The amygdala and autism: implications from non-human primate studies. Genes, Brain and Behavior, 2003, 2, 295-302. | 2.2 | 145 |
| 72 | Abnormal structure or function of the amygdala is a common component of neurodevelopmental disorders. Neuropsychologia, 2011, 49, 745-759. | 1.6 | 145 |

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|---|---|---|---|
| 73 | Detection of autoantibodies to neural cells of the cerebellum in the plasma of subjects with autism spectrum disorders. Brain, Behavior, and Immunity, 2009, 23, 64-74. | 4.1 | 141 |
| 74 | Recognition memory deficits in a subpopulation of aged monkeys resemble the effects of medial temporal lobe damage. Neurobiology of Aging, 1991, 12, 481-486. | 3.1 | 138 |
| 75 | Investigation of Neuroanatomical Differences Between Autism and AspergerSyndrome. Archives of General Psychiatry, 2004, 61, 291. | 12.3 | 136 |
| 76 | EEG Sharp Waves and Sparse Ensemble Unit Activity in the Macaque Hippocampus. Journal of Neurophysiology, 2007, 98, 898-910. | 1.8 | 134 |
| 77 | Learning and memory. Brain Research Reviews, 1991, 16, 193-220. | 9.0 | 133 |
| 78 | Synaptic organization of projections from the amygdala to visual cortical areas TE and V1 in the macaque monkey. Journal of Comparative Neurology, 2006, 496, 655-667. | 1.6 | 133 |
| 79 | Metabolomics as a Tool for Discovery of Biomarkers of Autism Spectrum Disorder in the Blood Plasma of Children. PLoS ONE, 2014, 9, e112445. | 2.5 | 131 |
| 80 | Hippocampal Lesion Prevents Spatial Relational Learning in Adult Macaque Monkeys. Journal of Neuroscience, 2006, 26, 4546-4558. | 3.6 | 125 |
| 81 | How Do Monkeys Look at Faces?. Journal of Cognitive Neuroscience, 1997, 9, 611-623. | 2.3 | 123 |
| 82 | Neuron numbers increase in the human amygdala from birth to adulthood, but not in autism. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 3710-3715. | 7.1 | 123 |
| 83 | Amygdalectomy and responsiveness to novelty in rhesus monkeys (Macaca mulatta): Generality and individual consistency of effects.. Emotion, 2006, 6, 73-81. | 1.8 | 121 |
| 84 | Organization of the intrinsic connections of the monkey amygdaloid complex: Projections originating in the lateral nucleus. , 1998, 398, 431-458. | | 115 |
| 85 | An integrative, multidisciplinary approach to the study of brainâ€“behavior relations in the context of typical and atypical development. Development and Psychopathology, 2002, 14, 499-520. | 2.3 | 115 |
| 86 | Cortical inputs to the CA1 field of the monkey hippocampus originate from the perirhinal and parahippocampal cortex but not from area TE. Neuroscience Letters, 1990, 115, 43-48. | 2.1 | 114 |
| 87 | Perirhinal and parahippocampal cortices of the macaque monkey: Intrinsic projections and interconnections. Journal of Comparative Neurology, 2004, 472, 371-394. | 1.6 | 112 |
| 88 | Projections from the lateral nucleus to the basal nucleus of the amygdala: A light and electron microscopic PHA-L study in the rat. Journal of Comparative Neurology, 1992, 323, 586-601. | 1.6 | 111 |
| 89 | Quantitative analysis of postnatal neurogenesis and neuron number in the macaque monkey dentate gyrus. European Journal of Neuroscience, 2010, 31, 273-285. | 2.6 | 111 |
| 90 | Amino Acid Dysregulation Metabotypes: Potential Biomarkers for Diagnosis and Individualized Treatment for Subtypes of Autism Spectrum Disorder. Biological Psychiatry, 2019, 85, 345-354. | 1.3 | 111 |

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|---|---|---|---|
| 91 | A comprehensive volumetric analysis of the cerebellum in children and adolescents with autism spectrum disorder. Autism Research, 2009, 2, 246-257. | 3.8 | 110 |
| 92 | Stereological analysis of the rat and monkey amygdala. Journal of Comparative Neurology, 2011, 519, 3218-3239. | 1.6 | 110 |
| 93 | Brief Report: Methods for Acquiring Structural MRI Data in Very Young Children with Autism Without the Use of Sedation. Journal of Autism and Developmental Disorders, 2008, 38, 1581-1590. | 2.7 | 109 |
| 94 | Description of brain injury in the amnesic patient N.A. Based on magnetic resonance imaging. Experimental Neurology, 1989, 105, 23-35. | 4.1 | 107 |
| 95 | In Search of Cellular Immunophenotypes in the Blood of Children with Autism. PLoS ONE, 2011, 6, e19299. | 2.5 | 107 |
| 96 | Immune Endophenotypes in Children With Autism Spectrum Disorder. Biological Psychiatry, 2017, 81, 434-441. | 1.3 | 105 |
| 97 | Large-scale targeted sequencing identifies risk genes for neurodevelopmental disorders. Nature Communications, 2020, 11, 4932. | 12.8 | 105 |
| 98 | Perirhinal and parahippocampal cortices of the macaque monkey: Cytoarchitectonic and chemoarchitectonic organization. Journal of Comparative Neurology, 2003, 463, 67-91. | 1.6 | 103 |
| 99 | Entorhinal cortex of the monkey: IV. Topographical and laminar organization of cortical afferents. Journal of Comparative Neurology, 2008, 509, 608-641. | 1.6 | 100 |
| 100 | Social Neuroscience: Progress and Implications for Mental Health. Perspectives on Psychological Science, 2007, 2, 99-123. | 9.0 | 98 |
| 101 | Stereological estimation of the number of neurons in the human amygdaloid complex. Journal of Comparative Neurology, 2005, 491, 320-329. | 1.6 | 93 |
| 102 | Synaptic extensions from the mossy fibers of the fascia dentata. Anatomy and Embryology, 1979, 155, 241-251. | 1.5 | 91 |
| 103 | Morphological and electrophysiological characteristics of layer V neurons of the rat medial entorhinal cortex. Journal of Comparative Neurology, 2000, 418, 457-472. | 1.6 | 90 |
| 104 | Postnatal development of the hippocampal formation: A stereological study in macaque monkeys. Journal of Comparative Neurology, 2011, 519, 1051-1070. | 1.6 | 87 |
| 105 | Projections from the lateral, basal, and accessory basal nuclei of the amygdala to the entorhinal cortex in the macaque monkey. Hippocampus, 2002, 12, 186-205. | 1.9 | 86 |
| 106 | Functional Connectivity of the Amygdala Is Disrupted in Preschool-Aged Children With Autism Spectrum Disorder. Journal of the American Academy of Child and Adolescent Psychiatry, 2016, 55, 817-824. | 0.5 | 86 |
| 107 | Autoantibodies in Autism Spectrum Disorders (ASD). Annals of the New York Academy of Sciences, 2007, 1107, 79-91. | 3.8 | 85 |
| 108 | Maternal autoantibodies are associated with abnormal brain enlargement in a subgroup of children with autism spectrum disorder. Brain, Behavior, and Immunity, 2013, 30, 61-65. | 4.1 | 85 |

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|---|---|---|---|
| 109 | Reduction in Opioid- and Cannabinoid-Induced Antinociception in Rhesus Monkeys after Bilateral Lesions of the Amygdaloid Complex. Journal of Neuroscience, 2001, 21, 8238-8246. | 3.6 | 84 |
| 110 | Hippocampal Formation. , 2004, , 871-914. | | 83 |
| 111 | Stereological Study of Amygdala Glial Populations in Adolescents and Adults with Autism Spectrum Disorder. PLoS ONE, 2014, 9, e110356. | 2.5 | 83 |
| 112 | The amygdala: is it an essential component of the neural network for social cognition?. Neuropsychologia, 2003, 41, 517-522. | 1.6 | 82 |
| 113 | The amygdala: is it an essential component of the neural network for social cognition?. Neuropsychologia, 2003, 41, 235-240. | 1.6 | 81 |
| 114 | Methods for acquiring MRI data in children with autism spectrum disorder and intellectual impairment without the use of sedation. Journal of Neurodevelopmental Disorders, 2016, 8, 20. | 3.1 | 81 |
| 115 | Postnatal Development of the Primate Hippocampal Formation. Developmental Neuroscience, 2007, 29, 179-192. | 2.0 | 80 |
| 116 | Macaque monkey retrosplenial cortex: I. Three-dimensional and cytoarchitectonic organization. Journal of Comparative Neurology, 2000, 426, 339-365. | 1.6 | 79 |
| 117 | Postmortem changes in the neuroanatomical characteristics of the primate brain: Hippocampal formation. Journal of Comparative Neurology, 2009, 512, 27-51. | 1.6 | 77 |
| 118 | Diffusion properties of major white matter tracts in young, typically developing children. NeuroImage, 2014, 88, 143-154. | 4.2 | 76 |
| 119 | Clinically Significant Anxiety in Children with Autism Spectrum Disorder and Varied Intellectual Functioning. Journal of Clinical Child and Adolescent Psychology, 2021, 50, 780-795. | 3.4 | 75 |
| 120 | Distribution of parvalbumin-immunoreactive cells and fibers in the monkey temporal lobe: The hippocampal formation. Journal of Comparative Neurology, 1993, 331, 37-74. | 1.6 | 74 |
| 121 | Extra-axial cerebrospinal fluid in high-risk and normal-risk children with autism aged 2â€“4 years: a case-control study. Lancet Psychiatry,the, 2018, 5, 895-904. | 7.4 | 74 |
| 122 | Distribution of parvalbumin-immunoreactive cells and fibers in the monkey temporal lobe: The amygdaloid complex. Journal of Comparative Neurology, 1993, 331, 14-36. | 1.6 | 72 |
| 123 | Individual differences in frontolimbic circuitry and anxiety emerge with adolescent changes in endocannabinoid signaling across species. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 4500-4505. | 7.1 | 72 |
| 124 | Locus coeruleus and intracranial self-stimulation: A cautionary note. Behavioral Biology, 1975, 13, 331-338. | 2.2 | 71 |
| 125 | Neonatal amygdala or hippocampus lesions influence responsiveness to objects. Developmental Psychobiology, 2010, 52, 487-503. | 1.6 | 70 |
| 126 | Longitudinal analysis of the developing rhesus monkey brain using magnetic resonance imaging: birth to adulthood. Brain Structure and Function, 2016, 221, 2847-2871. | 2.3 | 70 |

| # | Article | IF | Citations |
|---|---|---|---|
| 127 | In pursuit of neurophenotypes: The consequences of having autism and a big brain. Autism Research, 2017, 10, 711-722. | 3.8 | 70 |
| 128 | Hippocampal volume is preserved and fails to predict recognition memory impairment in aged rhesus monkeys (Macaca mulatta). Neurobiology of Aging, 2006, 27, 1405-1415. | 3.1 | 67 |
| 129 | Memory Lost and Regained Following Bilateral Hippocampal Damage. Journal of Cognitive Neuroscience, 1999, 11, 682-697. | 2.3 | 66 |
| 130 | Intracellular recording and labeling of mossy cells and proximal CA3 pyramidal cells in macaque monkeys. Journal of Comparative Neurology, 2001, 430, 264-281. | 1.6 | 66 |
| 131 | Acoustic Startle Reflex in Rhesus Monkeys: A Review. Reviews in the Neurosciences, 2008, 19, 171-85. | 2.9 | 66 |
| 132 | Increased Surface Area, but not Cortical Thickness, in a Subset of Young Boys With Autism Spectrum Disorder. Autism Research, 2016, 9, 232-248. | 3.8 | 66 |
| 133 | Hippocampal Formation. , 2012, , 896-942. | | 64 |
| 134 | Developmentalâ€"behavioral profiles in children with autism spectrum disorder and coâ€•occurring gastrointestinal symptoms. Autism Research, 2020, 13, 1778-1789. | 3.8 | 64 |
| 135 | Pleiotropic Mechanisms Indicated for Sex Differences in Autism. PLoS Genetics, 2016, 12, e1006425. | 3.5 | 64 |
| 136 | Morphological and electrophysiological characteristics of layer V neurons of the rat lateral entorhinal cortex. Journal of Comparative Neurology, 2002, 451, 45-61. | 1.6 | 63 |
| 137 | Postnatal development of the amygdala: A stereological study in macaque monkeys. Journal of Comparative Neurology, 2012, 520, 1965-1984. | 1.6 | 63 |
| 138 | Myeloid dendritic cells frequencies are increased in children with autism spectrum disorder and associated with amygdala volume and repetitive behaviors. Brain, Behavior, and Immunity, 2013, 31, 69-75. | 4.1 | 63 |
| 139 | Sex differences in the corpus callosum in preschool-aged children with autism spectrum disorder. Molecular Autism, 2015, 6, 26. | 4.9 | 62 |
| 140 | Charting brain growth and aging at high spatial precision. ELife, 2022, 11, . | 6.0 | 61 |
| 141 | The promise and the pitfalls of autism research: An introductory note for new autism researchers. Brain Research, 2011, 1380, 3-9. | 2.2 | 60 |
| 142 | Cholinergin innervation of the primate hippocampal formation. I. Distribution of choline acetyltransferasse immunoreactivity in theMacaca fascicularis andMacaca mulatta monkeys. Journal of Comparative Neurology, 1995, 355, 135-170. | 1.6 | 59 |
| 143 | Role of the Primate Amygdala in Fear-Potentiated Startle: Effects of Chronic Lesions in the Rhesus Monkey. Journal of Neuroscience, 2007, 27, 7386-7396. | 3.6 | 59 |
| 144 | Introduction: What is where in the medial temporal lobe?. Hippocampus, 1999, 9, 1-6. | 1.9 | 58 |

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|---|---|---|---|
| 145 | Intrinsic connections of the macaque monkey hippocampal formation: II. CA3 connections. Journal of Comparative Neurology, 2009, 515, 349-377. | 1.6 | 58 |
| 146 | Evidence for a GABAergic projection from the central nucleus of the amygdala to the brainstem of the macaque monkey: a combined retrograde tracing andin situhybridization study. European Journal of Neuroscience, 1998, 10, 2924-2933. | 2.6 | 57 |
| 147 | The Nonhuman Primate Amygdala Is Necessary for the Acquisition but not the Retention of Fear-Potentiated Startle. Biological Psychiatry, 2009, 65, 241-248. | 1.3 | 55 |
| 148 | Neonatal amygdala lesions result in globally blunted affect in adult rhesus macaques.. Behavioral Neuroscience, 2011, 125, 848-858. | 1.2 | 55 |
| 149 | Distribution of somatostatin-like immunoreactivity in the monkey amygdala. Journal of Comparative Neurology, 1989, 284, 294-313. | 1.6 | 54 |
| 150 | Distribution of calbindin-D28kimmunoreactivity in the monkey temporal lobe: The amygdaloid complex. Journal of Comparative Neurology, 1993, 331, 199-224. | 1.6 | 54 |
| 151 | Maternal and fetal antibrain antibodies in development and disease. Developmental Neurobiology, 2012, 72, 1327-1334. | 3.0 | 54 |
| 152 | COVIDâ€19 and Autism Research: Perspectives from Around the Globe. Autism Research, 2020, 13, 844-869. | 3.8 | 54 |
| 153 | Entorhinal cortex of the monkey: VII. Intrinsic connections. Journal of Comparative Neurology, 2007, 500, 612-633. | 1.6 | 53 |
| 154 | Spatiotemporal dynamics of the postnatal developing primate brain transcriptome. Human Molecular Genetics, 2015, 24, 4327-4339. | 2.9 | 53 |
| 155 | The Amygdala, Autism and Anxiety. Novartis Foundation Symposium, 2008, , 177-197. | 1.1 | 52 |
| 156 | The effects of neonatal 6-hydroxydopamine treatment on morphological plasticity in the dentate gyrus of the rat following entorhinal lesions. Journal of Comparative Neurology, 1980, 194, 171-191. | 1.6 | 50 |
| 157 | Distribution of reduced nicotinamide adenine dinucleotide phosphate diaphorase (NADPHâ€d) cells and fibers in the monkey amygdaloid complex. Journal of Comparative Neurology, 1991, 313, 326-348. | 1.6 | 50 |
| 158 | Association of common genetic variants in GPCPD1 with scaling of visual cortical surface area in humans. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 3985-3990. | 7.1 | 50 |
| 159 | Persistence of megalencephaly in a subgroup of young boys with autism spectrum disorder. Autism Research, 2016, 9, 1169-1182. | 3.8 | 50 |
| 160 | A Longitudinal Study of Local Gyrification Index in Young Boys With Autism Spectrum Disorder. Cerebral Cortex, 2019, 29, 2575-2587. | 2.9 | 47 |
| 161 | Trajectories of Autism Symptom Severity Change During Early Childhood. Journal of Autism and Developmental Disorders, 2021, 51, 227-242. | 2.7 | 47 |
| 162 | Detection of plasma autoantibodies to brain tissue in young children with and without autism spectrum disorders. Brain, Behavior, and Immunity, 2011, 25, 1123-1135. | 4.1 | 46 |

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|---|---|---|---|
| 163 | Brief Report: Symptom Onset Patterns and Functional Outcomes in Young Children with Autism Spectrum Disorders. Journal of Autism and Developmental Disorders, 2011, 41, 1727-1732. | 2.7 | 46 |
| 164 | Further characterization of autoantibodies to GABAergic neurons in the central nervous system produced by a subset of children with autism. Molecular Autism, 2011, 2, 5. | 4.9 | 46 |
| 165 | Human amnesia and the medial temporal lobe illuminated by neuropsychological and neurohistological findings for patient E.P.. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E1953-62. | 7.1 | 46 |
| 166 | A diffusion-weighted imaging tract-based spatial statistics study of autism spectrum disorder in preschool-aged children. Journal of Neurodevelopmental Disorders, 2019, 11, 32. | 3.1 | 46 |
| 167 | Dendritic morphology, local circuitry, and intrinsic electrophysiology of principal neurons in the entorhinal cortex of macaque monkeys. Journal of Comparative Neurology, 2004, 470, 317-329. | 1.6 | 45 |
| 168 | Spatial relational learning persists following neonatal hippocampal lesions in macaque monkeys. Nature Neuroscience, 2007, 10, 234-239. | 14.8 | 45 |
| 169 | The Impact of Early Amygdala Damage on Juvenile Rhesus Macaque Social Behavior. Journal of Cognitive Neuroscience, 2013, 25, 2124-2140. | 2.3 | 44 |
| 170 | Social and Nonsocial Content Differentially Modulates Visual Attention and Autonomic Arousal in Rhesus Macaques. PLoS ONE, 2011, 6, e26598. | 2.5 | 43 |
| 171 | Anxiety is related to indices of cortical maturation in typically developing children and adolescents. Brain Structure and Function, 2016, 221, 3013-3025. | 2.3 | 43 |
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