# Azad Bonni

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7846783/publications.pdf

Version: 2024-02-01

| | | | |
|---|---|---|---|
| 104 papers | 16,960 citations | 34105 52 h-index | 30087 103 g-index |
| 106 all docs | 106 docs citations | 106 times ranked | 21419 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Akt Promotes Cell Survival by Phosphorylating and Inhibiting a Forkhead Transcription Factor. Cell, 1999, 96, 857-868. | 28.9 | 5,895 |
| 2 | A Conserved MST-FOXO Signaling Pathway Mediates Oxidative-Stress Responses and Extends Life Span. Cell, 2006, 125, 987-1001. | 28.9 | 758 |
| 3 | SIRT1 Redistribution on Chromatin Promotes Genomic Stability but Alters Gene Expression during Aging. Cell, 2008, 135, 907-918. | 28.9 | 756 |
| 4 | Nerve growth factor activates a Ras-dependent protein kinase that stimulates c-fos transcription via phosphorylation of CREB. Cell, 1994, 77, 713-725. | 28.9 | 730 |
| 5 | The X-Linked Mental Retardation Gene SMCX/JARID1C Defines a Family of Histone H3 Lysine 4 Demethylases. Cell, 2007, 128, 1077-1088. | 28.9 | 624 |
| 6 | Neuronal Activity-Dependent Cell Survival Mediated by Transcription Factor MEF2. Science, 1999, 286, 785-790. | 12.6 | 485 |
| 7 | A Calcium-Regulated MEF2 Sumoylation Switch Controls Postsynaptic Differentiation. Science, 2006, 311, 1012-1017. | 12.6 | 411 |
| 8 | Cdh1-APC Controls Axonal Growth and Patterning in the Mammalian Brain. Science, 2004, 303, 1026-1030. | 12.6 | 338 |
| 9 | Identification of a PTEN-regulated STAT3 brain tumor suppressor pathway. Genes and Development, 2008, 22, 449-462. | 5.9 | 296 |
| 10 | Serine 133-Phosphorylated CREB Induces Transcription via a Cooperative Mechanism That May Confer Specificity to Neurotrophin Signals. Molecular and Cellular Neurosciences, 1995, 6, 168-183. | 2.2 | 277 |
| 11 | Cdc2 Phosphorylation of BAD Links the Cell Cycle to the Cell Death Machinery. Molecular Cell, 2002, 9, 1005-1016. | 9.7 | 270 |
| 12 | Degradation of Id2 by the anaphase-promoting complex couples cell cycle exit and axonal growth. Nature, 2006, 442, 471-474. | 27.8 | 270 |
| 13 | A CaMKII-NeuroD Signaling Pathway Specifies Dendritic Morphogenesis. Neuron, 2004, 41, 229-241. | 8.1 | 235 |
| 14 | JNK Phosphorylation and Activation of BAD Couples the Stress-activated Signaling Pathway to the Cell Death Machinery. Journal of Biological Chemistry, 2002, 277, 40944-40949. | 3.4 | 212 |
| 15 | p38 MAP Kinase Mediates Apoptosis through Phosphorylation of BimEL at Ser-65. Journal of Biological Chemistry, 2006, 281, 25215-25222. | 3.4 | 195 |
| 16 | A Centrosomal Cdc20-APC Pathway Controls Dendrite Morphogenesis in Postmitotic Neurons. Cell, 2009, 136, 322-336. | 28.9 | 177 |
| 17 | Activation of FOXO1 by Cdk1 in Cycling Cells and Postmitotic Neurons. Science, 2008, 319, 1665-1668. | 12.6 | 167 |
| 18 | Apoptosis Induced by p75NTR Overexpression Requires Jun Kinase-Dependent Phosphorylation of Bad. Journal of Neuroscience, 2003, 23, 11373-11381. | 3.6 | 156 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Cell-Intrinsic Regulation of Axonal Morphogenesis by the Cdh1-APC Target SnoN. Neuron, 2006, 50, 389-400. | 8.1 | 156 |
| 20 | Regulation of Neuronal Cell Death by MST1-FOXO1 Signaling. Journal of Biological Chemistry, 2009, 284, 11285-11292. | 3.4 | 153 |
| 21 | Deregulation of a STAT3-Interleukin 8 Signaling Pathway Promotes Human Glioblastoma Cell Proliferation and Invasiveness. Journal of Neuroscience, 2008, 28, 5870-5878. | 3.6 | 149 |
| 22 | L-type Voltage-sensitive Ca2+ Channel Activation Regulates c-fos Transcription at Multiple Levels. Journal of Biological Chemistry, 1995, 270, 4224-4235. | 3.4 | 136 |
| 23 | Cell intrinsic control of axon regeneration. EMBO Reports, 2014, 15, 254-263. | 4.5 | 135 |
| 24 | Bim Regulation of Lumen Formation in Cultured Mammary Epithelial Acini Is Targeted by Oncogenes. Molecular and Cellular Biology, 2005, 25, 4591-4601. | 2.3 | 130 |
| 25 | Cystatin B Deficiency Sensitizes Neurons to Oxidative Stress in Progressive Myoclonus Epilepsy, EPM1. Journal of Neuroscience, 2009, 29, 5910-5915. | 3.6 | 125 |
| 26 | FoxO6 regulates memory consolidation and synaptic function. Genes and Development, 2012, 26, 2780-2801. | 5.9 | 116 |
| 27 | The Transcription Factor NFAT3 Mediates Neuronal Survival. Journal of Biological Chemistry, 2005, 280, 2818-2825. | 3.4 | 112 |
| 28 | Characterization of the c-Jun N-Terminal Kinase-BimEL Signaling Pathway in Neuronal Apoptosis. Journal of Neuroscience, 2004, 24, 8762-8770. | 3.6 | 108 |
| 29 | A Cdc20-APC Ubiquitin Signaling Pathway Regulates Presynaptic Differentiation. Science, 2009, 326, 575-578. | 12.6 | 107 |
| 30 | Transcriptional Regulation of Neuronal Polarity and Morphogenesis in the Mammalian Brain. Neuron, 2011, 72, 22-40. | 8.1 | 104 |
| 31 | STAT3 Regulation of Glioblastoma Pathogenesis. Current Molecular Medicine, 2009, 9, 580-590. | 1.3 | 103 |
| 32 | The E2Fâ€“Cdc2 Cell-Cycle Pathway Specifically Mediates Activity Deprivation-Induced Apoptosis of Postmitotic Neurons. Journal of Neuroscience, 2003, 23, 1649-1658. | 3.6 | 98 |
| 33 | Chromatin remodeling inactivates activity genes and regulates neural coding. Science, 2016, 353, 300-305. | 12.6 | 96 |
| 34 | RNA Interference Reveals a Requirement for Myocyte Enhancer Factor 2A in Activity-dependent Neuronal Survival. Journal of Biological Chemistry, 2002, 277, 46442-46446. | 3.4 | 95 |
| 35 | Characterization of a Neurotrophin Signaling Mechanism that Mediates Neuron Survival in a Temporally Specific Pattern. Journal of Neuroscience, 2003, 23, 7326-7336. | 3.6 | 95 |
| 36 | Promoter Decommissioning by the NuRD Chromatin Remodeling Complex Triggers Synaptic Connectivity in the Mammalian Brain. Neuron, 2014, 83, 122-134. | 8.1 | 92 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | The X-Linked Intellectual Disability Protein PHF6 Associates with the PAF1 Complex and Regulates Neuronal Migration in the Mammalian Brain. Neuron, 2013, 78, 986-993. | 8.1 | 89 |
| 38 | Cell-intrinsic drivers of dendrite morphogenesis. Development (Cambridge), 2013, 140, 4657-4671. | 2.5 | 87 |
| 39 | A FOXOâ€“Pak1 transcriptional pathway controls neuronal polarity. Genes and Development, 2010, 24, 799-813. | 5.9 | 83 |
| 40 | An OBSL1-Cul7Fbxw8 Ubiquitin Ligase Signaling Mechanism Regulates Golgi Morphology and Dendrite Patterning. PLoS Biology, 2011, 9, e1001060. | 5.6 | 82 |
| 41 | Control of glioblastoma tumorigenesis by feed-forward cytokine signaling. Nature Neuroscience, 2016, 19, 798-806. | 14.8 | 82 |
| 42 | TGFÎ²-Smad2 Signaling Regulates the Cdh1-APC/SnoN Pathway of Axonal Morphogenesis. Journal of Neuroscience, 2008, 28, 1961-1969. | 3.6 | 81 |
| 43 | A molecular basis for phosphorylation-dependent SUMO conjugation by the E2 UBC9. Nature Structural and Molecular Biology, 2009, 16, 945-952. | 8.2 | 75 |
| 44 | Pin1 Mediates Neural-Specific Activation of the Mitochondrial Apoptotic Machinery. Neuron, 2006, 49, 655-662. | 8.1 | 73 |
| 45 | Brawn for Brains: The Role of MEF2 Proteins in the Developing Nervous System. Current Topics in Developmental Biology, 2005, 69, 239-266. | 2.2 | 72 |
| 46 | A CaMKIIÎ² signaling pathway at the centrosome regulates dendrite patterning in the brain. Nature Neuroscience, 2011, 14, 973-983. | 14.8 | 72 |
| 47 | Transcription factor Sp4 regulates dendritic patterning during cerebellar maturation. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 9882-9887. | 7.1 | 69 |
| 48 | PIASx Is a MEF2 SUMO E3 Ligase That Promotes Postsynaptic Dendritic Morphogenesis. Journal of Neuroscience, 2007, 27, 10037-10046. | 3.6 | 69 |
| 49 | Regulation of dendrite morphogenesis by extrinsic cues. Trends in Neurosciences, 2015, 38, 439-447. | 8.6 | 67 |
| 50 | Sensory experience remodels genome architecture in neural circuit to drive motor learning. Nature, 2019, 569, 708-713. | 27.8 | 66 |
| 51 | A TRPC5-regulated calcium signaling pathway controls dendrite patterning in the mammalian brain. Genes and Development, 2011, 25, 2659-2673. | 5.9 | 60 |
| 52 | The dynamic ubiquitin ligase duo: Cdh1-APC and Cdc20-APC regulate neuronal morphogenesis and connectivity. Current Opinion in Neurobiology, 2010, 20, 92-99. | 4.2 | 58 |
| 53 | A SnoNâ€“Ccd1 Pathway Promotes Axonal Morphogenesis in the Mammalian Brain. Journal of Neuroscience, 2009, 29, 4312-4321. | 3.6 | 56 |
| 54 | A Cdh1-APC/FMRP Ubiquitin Signaling Link Drives mGluR-Dependent Synaptic Plasticity in the Mammalian Brain. Neuron, 2015, 86, 726-739. | 8.1 | 55 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | ING2 as a Novel Mediator of Transforming Growth Factor-Î²-dependent Responses in Epithelial Cells. Journal of Biological Chemistry, 2008, 283, 13269-13279. | 3.4 | 53 |
| 56 | A JIP3-Regulated GSK3Î²/DCX Signaling Pathway Restricts Axon Branching. Journal of Neuroscience, 2010, 30, 16766-16776. | 3.6 | 51 |
| 57 | Cultures of Cerebellar Granule Neurons. Cold Spring Harbor Protocols, 2008, 2008, pdb.prot5107. | 0.3 | 50 |
| 58 | Spatial organization of ubiquitin ligase pathways orchestrates neuronal connectivity. Trends in Neurosciences, 2013, 36, 218-226. | 8.6 | 47 |
| 59 | Robust principal component analysis for accurate outlier sample detection in RNA-Seq data. BMC Bioinformatics, 2020, 21, 269. | 2.6 | 47 |
| 60 | An Î±2-Na/K ATPase/Î±-adducin complex in astrocytes triggers nonâ€“cell autonomous neurodegeneration. Nature Neuroscience, 2014, 17, 1710-1719. | 14.8 | 46 |
| 61 | Thinking within the D box: Initial identification of Cdh1â€“APC substrates in the nervous system. Molecular and Cellular Neurosciences, 2007, 34, 281-287. | 2.2 | 44 |
| 62 | RNF8/UBC13 ubiquitin signaling suppresses synapse formation in the mammalian brain. Nature Communications, 2017, 8, 1271. | 12.8 | 44 |
| 63 | Modeling Oxidative Stress in the Central Nervous System. Current Molecular Medicine, 2006, 6, 871-881. | 1.3 | 40 |
| 64 | STAT3-iNOS Signaling Mediates EGFRvIII-Induced Glial Proliferation and Transformation. Journal of Neuroscience, 2012, 32, 7806-7818. | 3.6 | 40 |
| 65 | Regulation of neuronal connectivity in the mammalian brain by chromatin remodeling. Current Opinion in Neurobiology, 2019, 59, 59-68. | 4.2 | 40 |
| 66 | Moving past proliferation: new roles for Cdh1â€“APC in postmitotic neurons. Trends in Neurosciences, 2005, 28, 596-601. | 8.6 | 36 |
| 67 | The Ubiquitin Receptor S5a/Rpn10 Links Centrosomal Proteasomes with Dendrite Development in the Mammalian Brain. Cell Reports, 2013, 4, 19-30. | 6.4 | 36 |
| 68 | Molecular Control of Axon Branching. Neuroscientist, 2013, 19, 16-24. | 3.5 | 36 |
| 69 | An Isoform-Specific SnoN1-FOXO1 Repressor Complex Controls Neuronal Morphogenesis and Positioning in the Mammalian Brain. Neuron, 2011, 69, 930-944. | 8.1 | 34 |
| 70 | Novel functions for the anaphase-promoting complex in neurobiology. Seminars in Cell and Developmental Biology, 2011, 22, 586-594. | 5.0 | 34 |
| 71 | Beyond proliferationâ€”cell cycle control of neuronal survival and differentiation in the developing mammalian brain. Seminars in Cell and Developmental Biology, 2005, 16, 439-448. | 5.0 | 33 |
| 72 | The chromatin remodeling enzyme Chd4 regulates genome architecture in the mouse brain. Nature Communications, 2020, 11, 3419. | 12.8 | 33 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | Neurotrophin Regulation of Gene Expression. Canadian Journal of Neurological Sciences, 1997, 24, 272-283. | 0.5 | 32 |
| 74 | Sumoylated MEF2A Coordinately Eliminates Orphan Presynaptic Sites and Promotes Maturation of Presynaptic Boutons. Journal of Neuroscience, 2013, 33, 4726-4740. | 3.6 | 32 |
| 75 | TIF1Î³ Protein Regulates Epithelial-Mesenchymal Transition by Operating as a Small Ubiquitin-like Modifier (SUMO) E3 Ligase for the Transcriptional Regulator SnoN1. Journal of Biological Chemistry, 2014, 289, 25067-25078. | 3.4 | 32 |
| 76 | Regulation of Cdh1â€“APC Function in Axon Growth by Cdh1 Phosphorylation. Journal of Neuroscience, 2009, 29, 4322-4327. | 3.6 | 31 |
| 77 | A decade of the anaphase-promoting complex in the nervous system. Genes and Development, 2016, 30, 622-638. | 5.9 | 27 |
| 78 | FLEXIQinase, a mass spectrometryâ€“based assay, to unveil multikinase mechanisms. Nature Methods, 2012, 9, 504-508. | 19.0 | 26 |
| 79 | Pathogenesis of BÃ¶rjeson-Forssman-Lehmann syndrome: Insights from PHF6 function. Neurobiology of Disease, 2016, 96, 227-235. | 4.4 | 26 |
| 80 | Phosphorylation of BAD at Ser-128 during mitosis and paclitaxel-induced apoptosis. FEBS Letters, 2005, 579, 3090-3094. | 2.8 | 25 |
| 81 | Transcriptomic mapping uncovers Purkinje neuron plasticity driving learning. Nature, 2022, 605, 722-727. | 27.8 | 24 |
| 82 | Pin1 in Neuronal Apoptosis. Cell Cycle, 2007, 6, 1332-1335. | 2.6 | 23 |
| 83 | Astrocyte deletion of Î±2-Na/K ATPase triggers episodic motor paralysis in mice via a metabolic pathway. Nature Communications, 2020, 11, 6164. | 12.8 | 23 |
| 84 | Identification of a Novel Link between the Protein Kinase NDR1 and TGFÎ² Signaling in Epithelial Cells. PLoS ONE, 2013, 8, e67178. | 2.5 | 23 |
| 85 | SnoN signaling in proliferating cells and postmitotic neurons. FEBS Letters, 2012, 586, 1977-1983. | 2.8 | 21 |
| 86 | CHARGE syndrome protein CHD7 regulates epigenomic activation of enhancers in granule cell precursors and gyrification of the cerebellum. Nature Communications, 2021, 12, 5702. | 12.8 | 20 |
| 87 | Characterization of a Mouse Model of BÃ¶rjeson-Forssman-Lehmann Syndrome. Cell Reports, 2018, 25, 1404-1414.e6. | 6.4 | 19 |
| 88 | Chromatin Environment and Cellular Context Specify Compensatory Activity of Paralogous MEF2 Transcription Factors. Cell Reports, 2019, 29, 2001-2015.e5. | 6.4 | 19 |
| 89 | A Novel Hap1â€“Tsc1 Interaction Regulates Neuronal mTORC1 Signaling and Morphogenesis in the Brain. Journal of Neuroscience, 2013, 33, 18015-18021. | 3.6 | 16 |
| 90 | Regulation of Neuronal Morphogenesis and Positioning by Ubiquitin-Specific Proteases in the Cerebellum. PLoS ONE, 2015, 10, e0117076. | 2.5 | 16 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | Sensorimotor Coding of Vermal Granule Neurons in the Developing Mammalian Cerebellum. Journal of Neuroscience, 2019, 39, 6626-6643. | 3.6 | 14 |
| 92 | Cellular and molecular characterization of multiplex autism in human induced pluripotent stem cell-derived neurons. Molecular Autism, 2019, 10, 51. | 4.9 | 14 |
| 93 | Palladin Is a Neuron-Specific Translational Target of mTOR Signaling That Regulates Axon Morphogenesis. Journal of Neuroscience, 2018, 38, 4985-4995. | 3.6 | 13 |
| 94 | Neurodegeneration: A Non-Apoptotic Role for AIF in the Brain. Current Biology, 2003, 13, R19-R21. | 3.9 | 12 |
| 95 | The Transcriptional Regulator SnoN Promotes the Proliferation of Cerebellar Granule Neuron Precursors in the Postnatal Mouse Brain. Journal of Neuroscience, 2019, 39, 44-62. | 3.6 | 12 |
| 96 | PIAS1 and TIF1Î³ collaborate to promote SnoN SUMOylation and suppression of epithelialâ€“mesenchymal transition. Cell Death and Differentiation, 2021, 28, 267-282. | 11.2 | 11 |
| 97 | Regulation of epithelial-mesenchymal transition and organoid morphogenesis by a novel TGFÎ²-TCF7L2 isoform-specific signaling pathway. Cell Death and Disease, 2020, 11, 704. | 6.3 | 9 |
| 98 | Altered neuronal physiology, development, and function associated with a common chromosome 15 duplication involving CHRNA7. BMC Biology, 2021, 19, 147. | 3.8 | 9 |
| 99 | Targeting OSMR in glioma stem cells. Oncotarget, 2017, 8, 16103-16104. | 1.8 | 9 |
| 100 | Conditional knockout of UBC13 produces disturbances in gait and spontaneous locomotion and exploration in mice. Scientific Reports, 2019, 9, 4379. | 3.3 | 6 |
| 101 | Chromatin-Binding Protein PHF6 Regulates Activity-Dependent Transcriptional Networks to Promote Hunger Response. Cell Reports, 2020, 30, 3717-3728.e6. | 6.4 | 6 |
| 102 | APC7 mediates ubiquitin signaling in constitutive heterochromatin in the developing mammalian brain. Molecular Cell, 2022, 82, 90-105.e13. | 9.7 | 4 |
| 103 | Epigenetic Regulation of the Cerebellum. , 2019, , 1-20. | | 1 |
| 104 | Epigenetic Regulation of the Cerebellum. , 2022, , 409-428. | | 0 |