# Nicholas T Hertz

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 24 papers | 1,883 citations | 471509<br>17 h-index | 794594<br>19 g-index |
| 25 all docs | 25 docs citations | 25 times ranked | 4051 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Drugging MYCN through an Allosteric Transition in Aurora Kinase A. Cancer Cell, 2014, 26, 414-427. | 16.8 | 231 |
| 2 | A Neo-Substrate that Amplifies Catalytic Activity of Parkinsonâ€™s-Disease-Related Kinase PINK1. Cell, 2013, 154, 737-747. | 28.9 | 229 |
| 3 | A Raf-induced allosteric transition of KSR stimulates phosphorylation of MEK. Nature, 2011, 472, 366-369. | 27.8 | 223 |
| 4 | CRISPRâ€“Cas9 screens in human cells and primary neurons identify modifiers of C9ORF72 dipeptide-repeat-protein toxicity. Nature Genetics, 2018, 50, 603-612. | 21.4 | 178 |
| 5 | Identification of AMPK Phosphorylation Sites Reveals a Network of Proteins Involved in Cell Invasion and Facilitates Large-Scale Substrate Prediction. Cell Metabolism, 2015, 22, 907-921. | 16.2 | 149 |
| 6 | WNK1-regulated inhibitory phosphorylation of the KCC2 cotransporter maintains the depolarizing action of GABA in immature neurons. Science Signaling, 2015, 8, ra65. | 3.6 | 133 |
| 7 | Chemical Genetic Identification of NDR1/2 Kinase Substrates AAK1 and Rabin8ÂUncovers Their Roles in Dendrite Arborization and Spine Development. Neuron, 2012, 73, 1127-1142. | 8.1 | 117 |
| 8 | Axon Degeneration Gated by Retrograde Activation of Somatic Pro-apoptotic Signaling. Cell, 2016, 164, 1031-1045. | 28.9 | 109 |
| 9 | A Ras-like domain in the light intermediate chain bridges the dynein motor to a cargo-binding region. ELife, 2014, 3, e03351. | 6.0 | 84 |
| 10 | MST3 Kinase Phosphorylates TAO1/2 to Enable Myosin Va Function in Promoting Spine Synapse Development. Neuron, 2014, 84, 968-982. | 8.1 | 75 |
| 11 | Chemical Genetic Approach for Kinaseâ€Substrate Mapping by Covalent Capture of Thiophosphopeptides and Analysis by Mass Spectrometry. Current Protocols in Chemical Biology, 2010, 2, 15-36. | 1.7 | 72 |
| 12 | Innate immunity kinase TAK1 phosphorylates Rab1 on a hotspot for posttranslational modifications by host and pathogen. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E4776-83. | 7.1 | 47 |
| 13 | Structural plasticity of actin-spectrin membrane skeleton and functional role of actin and spectrin in axon degeneration. ELife, 2019, 8, . | 6.0 | 47 |
| 14 | Development of a Chemical Genetic Approach for Human Aurora B Kinase Identifies Novel Substrates of the Chromosomal Passenger Complex. Molecular and Cellular Proteomics, 2012, 11, 47-59. | 3.8 | 44 |
| 15 | N6-Furfuryladenine is protective in Huntingtonâ€™s disease models by signaling huntingtin phosphorylation. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E7081-E7090. | 7.1 | 40 |
| 16 | Long-term oral kinetin does not protect against Î±-synuclein-induced neurodegeneration in rodent models of Parkinson's disease. Neurochemistry International, 2017, 109, 106-116. | 3.8 | 39 |
| 17 | Defining the proteolytic landscape during enterovirus infection. PLoS Pathogens, 2020, 16, e1008927. | 4.7 | 36 |
| 18 | Secreted 3-Isopropylmalate Methyl Ester Signals Invasive Growth during Amino Acid Starvation in <i>Saccharomyces cerevisiae</i>. Biochemistry, 2008, 47, 698-709. | 2.5 | 13 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Neuronally Enriched RUFY3 Is Required for Caspase-Mediated Axon Degeneration. Neuron, 2019, 103, 412-422.e4. | 8.1 | 12 |
| 20 | Beyond the Gatekeeper: Imatinib- and Dasatinib-Resistant BCR-ABL/F317 Mutations Confer Cross-Resistance to VX-680 but Are Sensitive to a Structural Derivative of VX-680. Blood, 2008, 112, 725-725. | 1.4 | 0 |
| 21 | Defining the proteolytic landscape during enterovirus infection. , 2020, 16, e1008927. | | 0 |
| 22 | Defining the proteolytic landscape during enterovirus infection. , 2020, 16, e1008927. | | 0 |
| 23 | Defining the proteolytic landscape during enterovirus infection. , 2020, 16, e1008927. | | 0 |
| 24 | Defining the proteolytic landscape during enterovirus infection. , 2020, 16, e1008927. | | 0 |