# Nan Yan

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2699815/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 49 papers | 6,467 citations | 186209 28 h-index | 214721 47 g-index |
| 50 all docs | 50 docs citations | 50 times ranked | 8836 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Identification of Host Proteins Required for HIV Infection Through a Functional Genomic Screen. Science, 2008, 319, 921-926. | 6.0 | 1,310 |
| 2 | Cyclic GMP-AMP Synthase Is an Innate Immune Sensor of HIV and Other Retroviruses. Science, 2013, 341, 903-906. | 6.0 | 837 |
| 3 | miR-24 Inhibits Cell Proliferation by Targeting E2F2, MYC, and Other Cell-Cycle Genes via Binding to â€œSeedlessâ€•3â€²UTR MicroRNA Recognition Elements. Molecular Cell, 2009, 35, 610-625. | 4.5 | 544 |
| 4 | The cytosolic exonuclease TREX1 inhibits the innate immune response to human immunodeficiency virus type 1. Nature Immunology, 2010, 11, 1005-1013. | 7.0 | 455 |
| 5 | Intrinsic antiviral immunity. Nature Immunology, 2012, 13, 214-222. | 7.0 | 439 |
| 6 | STING Activation by Translocation from the ER Is Associated with Infection and Autoinflammatory Disease. Cell Host and Microbe, 2015, 18, 157-168. | 5.1 | 424 |
| 7 | Trafficking-Mediated STING Degradation Requires Sorting to Acidified Endolysosomes and Can Be Targeted to Enhance Anti-tumor Response. Cell Reports, 2017, 21, 3234-3242. | 2.9 | 198 |
| 8 | RNase H2 catalytic core Aicardi-GoutiÃ¨res syndromeâ€“related mutant invokes cGASâ€“STING innate immune-sensing pathway in mice. Journal of Experimental Medicine, 2016, 213, 329-336. | 4.2 | 185 |
| 9 | STING-mediated disruption of calcium homeostasis chronically activates ER stress and primes T cell death. Journal of Experimental Medicine, 2019, 216, 867-883. | 4.2 | 182 |
| 10 | Interferon-Independent Activities of Mammalian STING Mediate Antiviral Response and Tumor Immune Evasion. Immunity, 2020, 53, 115-126.e5. | 6.6 | 179 |
| 11 | STING-associated vasculopathy develops independently of IRF3 in mice. Journal of Experimental Medicine, 2017, 214, 3279-3292. | 4.2 | 155 |
| 12 | DNA polymerase-Î± regulates the activation of type I interferons through cytosolic RNA:DNA synthesis. Nature Immunology, 2016, 17, 495-504. | 7.0 | 123 |
| 13 | Trex1 regulates lysosomal biogenesis and interferon-independent activation of antiviral genes. Nature Immunology, 2013, 14, 61-71. | 7.0 | 122 |
| 14 | Tonic prime-boost of STING signalling mediates Niemannâ€“Pick disease type C. Nature, 2021, 596, 570-575. | 13.7 | 110 |
| 15 | N-glycanase NGLY1 regulates mitochondrial homeostasis and inflammation through NRF1. Journal of Experimental Medicine, 2018, 215, 2600-2616. | 4.2 | 95 |
| 16 | Cytosolic Nuclease TREX1 Regulates Oligosaccharyltransferase Activity Independent of Nuclease Activity to Suppress Immune Activation. Immunity, 2015, 43, 463-474. | 6.6 | 85 |
| 17 | The SET Complex Acts as a Barrier to Autointegration of HIV-1. PLoS Pathogens, 2009, 5, e1000327. | 2.1 | 82 |
| 18 | Identification and Characterization of PWWP Domain Residues Critical for LEDGF/p75 Chromatin Binding and Human Immunodeficiency Virus Type 1 Infectivity. Journal of Virology, 2008, 82, 11555-11567. | 1.5 | 75 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Chronic innate immune activation of TBK1 suppresses mTORC1 activity and dysregulates cellular metabolism. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 746-751. | 3.3 | 71 |
| 20 | Immune Diseases Associated with TREX1 and STING Dysfunction. Journal of Interferon and Cytokine Research, 2017, 37, 198-206. | 0.5 | 71 |
| 21 | Homeostatic regulation of STING protein at the resting state by stabilizer TOLLIP. Nature Immunology, 2020, 21, 158-167. | 7.0 | 71 |
| 22 | Cutting Edge: Inhibiting TBK1 by Compound II Ameliorates Autoimmune Disease in Mice. Journal of Immunology, 2015, 195, 4573-4577. | 0.4 | 61 |
| 23 | HIV DNA is heavily uracilated, which protects it from autointegration. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 9244-9249. | 3.3 | 60 |
| 24 | Localization-Dependent Oskar Protein Accumulation. Developmental Cell, 2004, 7, 125-131. | 3.1 | 56 |
| 25 | Therapeutic potential of targeting TBK1 in autoimmune diseases and interferonopathies. Pharmacological Research, 2016, 111, 336-342. | 3.1 | 54 |
| 26 | Reactive oxygen species oxidize STING and suppress interferon production. ELife, 2020, 9, . | 2.8 | 50 |
| 27 | BREs Mediate Both Repression and Activation of oskar mRNA Translation and Act In trans. Developmental Cell, 2010, 18, 496-502. | 3.1 | 46 |
| 28 | Innate Immune Activation by cGMP-AMP Nanoparticles Leads to Potent and Long-Acting Antiretroviral Response against HIV-1. Journal of Immunology, 2017, 199, 3840-3848. | 0.4 | 39 |
| 29 | A late phase of Oskar accumulation is crucial for posterior patterning of the Drosophila embryo, and is blocked by ectopic expression of Bruno. Differentiation, 2007, 75, 246-255. | 1.0 | 31 |
| 30 | Gaining a foothold: how HIV avoids innate immune recognition. Current Opinion in Immunology, 2011, 23, 21-28. | 2.4 | 28 |
| 31 | DNase-active TREX1 frame-shift mutants induce serologic autoimmunity in mice. Journal of Autoimmunity, 2017, 81, 13-23. | 3.0 | 27 |
| 32 | Mammalian STT3A/B oligosaccharyltransferases segregate N-glycosylation at the translocon from lipid-linked oligosaccharide hydrolysis. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 9557-9562. | 3.3 | 26 |
| 33 | Safeguard against DNA sensing: the role of TREX1 in HIV-1 infection and autoimmune diseases. Frontiers in Microbiology, 2014, 5, 193. | 1.5 | 23 |
| 34 | Mitotic Phosphorylation of TREX1 C Terminus Disrupts TREX1 Regulation of the Oligosaccharyltransferase Complex. Cell Reports, 2017, 18, 2600-2607. | 2.9 | 21 |
| 35 | STING controls energy stress-induced autophagy and energy metabolism via STX17. Journal of Cell Biology, 2022, 221, . | 2.3 | 21 |
| 36 | A bioactive mammalian disaccharide associated with autoimmunity activates STING-TBK1-dependent immune response. Nature Communications, 2019, 10, 2377. | 5.8 | 20 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Genetic Interactions of Drosophila melanogaster arrest Reveal Roles for Translational Repressor Bruno in Accumulation of Gurken and Activity of Delta. Genetics, 2004, 168, 1433-1442. | 1.2 | 18 |
| 38 | No Longer A One-Trick Pony: STING Signaling Activity Beyond Interferon. Journal of Molecular Biology, 2022, 434, 167257. | 2.0 | 13 |
| 39 | STIM1 moonlights as an anchor for STING. Nature Immunology, 2019, 20, 112-114. | 7.0 | 12 |
| 40 | Cytoplasmic RNA quality control failure engages mTORC1-mediated autoinflammatory disease. Journal of Clinical Investigation, 2022, 132, . | 3.9 | 9 |
| 41 | Aicardiâ€“GoutiÃ¨res syndrome-like encephalitis in mutant mice with constitutively active MDA5. International Immunology, 2021, 33, 225-240. | 1.8 | 8 |
| 42 | The mammalian SKIV2L RNA exosome is essential for early B cell development. Science Immunology, 2022, 7, . | 5.6 | 8 |
| 43 | Methods of Assessing STING Activation and Trafficking. Methods in Molecular Biology, 2017, 1656, 167-174. | 0.4 | 7 |
| 44 | SAMHD1 does it again, now in resting T cells. Nature Medicine, 2012, 18, 1611-1612. | 15.2 | 6 |
| 45 | Targeting Bcl6 in the TREX1 D18N murine model ameliorates autoimmunity by modulating T follicular helper cells and Germinal center B cells. European Journal of Immunology, 2022, , . | 1.6 | 5 |
| 46 | Intracellular virus sensor MDA5 mutation develops autoimmune myocarditis and nephritis. Journal of Autoimmunity, 2022, 127, 102794. | 3.0 | 2 |
| 47 | Response to Comment on â€œCutting Edge: Inhibiting TBK1 by Compound II Ameliorates Autoimmune Disease in Miceâ€• Journal of Immunology, 2016, 196, 531-531. | 0.4 | 1 |
| 48 | A â€œKUâ€•new sensor for cytosolic DNA in TÂcells. Immunity, 2021, 54, 603-605. | 6.6 | 1 |
| 49 | Co-circulation dynamics and persistence of newly introduced clades of 2012 outbreak associated West Nile Virus in Texas, 2012â€“2015. Infection, Genetics and Evolution, 2018, 66, 13-17. | 1.0 | 0 |