# Vojo P Deretic

## List of Publications by Citations



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|---|---|---|---|
| 192 papers | 32,959 citations | 81 h-index | 181 g-index |
| 277 ext. papers | 37,077 ext. citations | 10.4 avg, IF | 7.38 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 192 | Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). *Autophagy*, **2016**, 12, 1-222 | 10.2 | 3838 |
| 191 | Guidelines for the use and interpretation of assays for monitoring autophagy. *Autophagy*, **2012**, 8, 445-544 | 10.2 | 2783 |
| 190 | Guidelines for the use and interpretation of assays for monitoring autophagy in higher eukaryotes. *Autophagy*, **2008**, 4, 151-75 | 10.2 | 1920 |
| 189 | Autophagy is a defense mechanism inhibiting BCG and Mycobacterium tuberculosis survival in infected macrophages. *Cell*, **2004**, 119, 753-66 | 56.2 | 1735 |
| 188 | Autophagy in infection, inflammation and immunity. *Nature Reviews Immunology*, **2013**, 13, 722-37 | 36.5 | 1241 |
| 187 | Molecular definitions of autophagy and related processes. *EMBO Journal*, **2017**, 36, 1811-1836 | 13 | 857 |
| 186 | Human IRGM induces autophagy to eliminate intracellular mycobacteria. *Science*, **2006**, 313, 1438-41 | 33.3 | 738 |
| 185 | Unveiling the roles of autophagy in innate and adaptive immunity. *Nature Reviews Immunology*, **2007**, 7, 767-77 | 36.5 | 715 |
| 184 | Autophagy, immunity, and microbial adaptations. *Cell Host and Microbe*, **2009**, 5, 527-49 | 23.4 | 694 |
| 183 | Autophagy-based unconventional secretory pathway for extracellular delivery of IL-1 *EMBO Journal*, **2011**, 30, 4701-11 | 13 | 614 |
| 182 | Toll-like receptors control autophagy. *EMBO Journal*, **2008**, 27, 1110-21 | 13 | 597 |
| 181 | Beclin1-binding UVRAG targets the class C Vps complex to coordinate autophagosome maturation and endocytic trafficking. *Nature Cell Biology*, **2008**, 10, 776-87 | 23.4 | 594 |
| 180 | Lysosomal positioning coordinates cellular nutrient responses. *Nature Cell Biology*, **2011**, 13, 453-60 | 23.4 | 564 |
| 179 | TBK-1 promotes autophagy-mediated antimicrobial defense by controlling autophagosome maturation. *Immunity*, **2012**, 37, 223-34 | 32.3 | 446 |
| 178 | Arrest of mycobacterial phagosome maturation is caused by a block in vesicle fusion between stages controlled by rab5 and rab7. *Journal of Biological Chemistry*, **1997**, 272, 13326-31 | 5.4 | 432 |
| 177 | Role of phosphatidylinositol 3-kinase and Rab5 effectors in phagosomal biogenesis and mycobacterial phagosome maturation arrest. *Journal of Cell Biology*, **2001**, 154, 631-44 | 7.3 | 429 |
| 176 | Mechanism of phagolysosome biogenesis block by viable Mycobacterium tuberculosis. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 4033-8 | 11.5 | 406 |

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|---|---|---|---|
| 175 | Mycobacterium tuberculosis glycosylated phosphatidylinositol causes phagosome maturation arrest. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 5437-42 | 11.5 | 397 |
| 174 | Autophagy pathway intersects with HIV-1 biosynthesis and regulates viral yields in macrophages. *Journal of Cell Biology*, **2009**, 186, 255-68 | 7.3 | 391 |
| 173 | T helper 2 cytokines inhibit autophagic control of intracellular Mycobacterium tuberculosis. *Immunity*, **2007**, 27, 505-17 | 32.3 | 361 |
| 172 | Cell biology of mycobacterium tuberculosis phagosome. *Annual Review of Cell and Developmental Biology*, **2004**, 20, 367-94 | 12.6 | 352 |
| 171 | Autophagosome-independent essential function for the autophagy protein Atg5 in cellular immunity to intracellular pathogens. *Cell Host and Microbe*, **2008**, 4, 458-69 | 23.4 | 332 |
| 170 | Autophagy protects against active tuberculosis by suppressing bacterial burden and inflammation. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, E3168-76 | 11.5 | 322 |
| 169 | Mycobacterium tuberculosis prevents inflammasome activation. *Cell Host and Microbe*, **2008**, 3, 224-32 | 23.4 | 295 |
| 168 | Mechanisms of action of isoniazid. *Molecular Microbiology*, **2006**, 62, 1220-7 | 4.1 | 283 |
| 167 | Autophagy in immunity and cell-autonomous defense against intracellular microbes. *Immunological Reviews*, **2011**, 240, 92-104 | 11.3 | 277 |
| 166 | Secretory autophagy. *Current Opinion in Cell Biology*, **2015**, 35, 106-16 | 9 | 267 |
| 165 | Tuberculosis toxin blocking phagosome maturation inhibits a novel Ca2+/calmodulin-PI3K hVPS34 cascade. *Journal of Experimental Medicine*, **2003**, 198, 653-9 | 16.6 | 265 |
| 164 | Mycobacterial phagosome maturation, rab proteins, and intracellular trafficking. *Electrophoresis*, **1997**, 18, 2542-7 | 3.6 | 260 |
| 163 | Delivery of cytosolic components by autophagic adaptor protein p62 endows autophagosomes with unique antimicrobial properties. *Immunity*, **2010**, 32, 329-41 | 32.3 | 248 |
| 162 | Mycobacterium tuberculosis inhibition of phagolysosome biogenesis and autophagy as a host defence mechanism. *Cellular Microbiology*, **2006**, 8, 719-27 | 3.9 | 246 |
| 161 | Autophagy balances inflammation in innate immunity. *Autophagy*, **2018**, 14, 243-251 | 10.2 | 242 |
| 160 | TRIMs and Galectins Globally Cooperate and TRIM16 and Galectin-3 Co-direct Autophagy in Endomembrane Damage Homeostasis. *Developmental Cell*, **2016**, 39, 13-27 | 10.2 | 222 |
| 159 | Autophagy as an innate immunity paradigm: expanding the scope and repertoire of pattern recognition receptors. *Current Opinion in Immunology*, **2012**, 24, 21-31 | 7.8 | 219 |
| 158 | Control of autophagy initiation by phosphoinositide 3-phosphatase Jumpy. *EMBO Journal*, **2009**, 28, 2244-58 | 11.4 | 219 |

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|---|---|---|---|
| 157 | TRIM proteins regulate autophagy and can target autophagic substrates by direct recognition. *Developmental Cell*, **2014**, 30, 394-409 | 10.2 | 217 |
| 156 | Human immunodeficiency virus-1 inhibition of immunoamphisomes in dendritic cells impairs early innate and adaptive immune responses. *Immunity*, **2010**, 32, 654-69 | 32.3 | 210 |
| 155 | A comprehensive glossary of autophagy-related molecules and processes (2nd edition). *Autophagy*, **2011**, 7, 1273-94 | 10.2 | 205 |
| 154 | Mycobacterium tuberculosis phagosome maturation arrest: mycobacterial phosphatidylinositol analog phosphatidylinositol mannoside stimulates early endosomal fusion. *Molecular Biology of the Cell*, **2004**, 15, 751-60 | 3.5 | 204 |
| 153 | Human IRGM regulates autophagy and cell-autonomous immunity functions through mitochondria. *Nature Cell Biology*, **2010**, 12, 1154-65 | 23.4 | 186 |
| 152 | Autophagy in innate and adaptive immunity. *Trends in Immunology*, **2005**, 26, 523-8 | 14.4 | 186 |
| 151 | Mycobacterium tuberculosis signal transduction system required for persistent infections. *Proceedings of the National Academy of Sciences of the United States of America*, **2001**, 98, 12706-11 | 11.5 | 185 |
| 150 | Dedicated SNAREs and specialized TRIM cargo receptors mediate secretory autophagy. *EMBO Journal*, **2017**, 36, 42-60 | 13 | 174 |
| 149 | An essential two-component signal transduction system in Mycobacterium tuberculosis. *Journal of Bacteriology*, **2000**, 182, 3832-8 | 3.5 | 174 |
| 148 | TRIM-mediated precision autophagy targets cytoplasmic regulators of innate immunity. *Journal of Cell Biology*, **2015**, 210, 973-89 | 7.3 | 171 |
| 147 | Autophagy as an immune defense mechanism. *Current Opinion in Immunology*, **2006**, 18, 375-82 | 7.8 | 169 |
| 146 | Neutral lipid stores and lipase PNPLA5 contribute to autophagosome biogenesis. *Current Biology*, **2014**, 24, 609-20 | 6.3 | 168 |
| 145 | Autophagy intersections with conventional and unconventional secretion in tissue development, remodeling and inflammation. *Trends in Cell Biology*, **2012**, 22, 397-406 | 18.3 | 164 |
| 144 | Autophagy in infection. *Current Opinion in Cell Biology*, **2010**, 22, 252-62 | 9 | 151 |
| 143 | Autophagy and pattern recognition receptors in innate immunity. *Immunological Reviews*, **2009**, 227, 189-202 | 11.3 | 148 |
| 142 | IRGM governs the core autophagy machinery to conduct antimicrobial defense. *Molecular Cell*, **2015**, 58, 507-21 | 17.6 | 144 |
| 141 | Therapeutic targeting of autophagy in neurodegenerative and infectious diseases. *Journal of Experimental Medicine*, **2015**, 212, 979-90 | 16.6 | 141 |
| 140 | Rab14 is critical for maintenance of Mycobacterium tuberculosis phagosome maturation arrest. *EMBO Journal*, **2006**, 25, 5250-9 | 13 | 135 |

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|---|---|---|---|
| 139 | Microarray analysis of global gene expression in mucoid Pseudomonas aeruginosa. *Journal of Bacteriology*, **2003**, 185, 1071-81 | 3.5 | 135 |
| 138 | Autophagy: an emerging immunological paradigm. *Journal of Immunology*, **2012**, 189, 15-20 | 5.3 | 131 |
| 137 | A comprehensive glossary of autophagy-related molecules and processes. *Autophagy*, **2010**, 6, 438-48 | 10.2 | 123 |
| 136 | Toll-like receptors in control of immunological autophagy. *Cell Death and Differentiation*, **2009**, 16, 976-83 | 12.7 | 123 |
| 135 | Pseudomonas aeruginosa infection in cystic fibrosis: nucleotide sequence and transcriptional regulation of the algD gene. *Nucleic Acids Research*, **1987**, 15, 4567-81 | 20.1 | 117 |
| 134 | Regulation of catalase-peroxidase (KatG) expression, isoniazid sensitivity and virulence by furA of Mycobacterium tuberculosis. *Molecular Microbiology*, **2001**, 40, 879-89 | 4.1 | 115 |
| 133 | Immunologic manifestations of autophagy. *Journal of Clinical Investigation*, **2015**, 125, 75-84 | 15.9 | 113 |
| 132 | Galectins Control mTOR in Response to Endomembrane Damage. *Molecular Cell*, **2018**, 70, 120-135.e8 | 17.6 | 109 |
| 131 | Regulatory coordination between two major intracellular homeostatic systems: heat shock response and autophagy. *Journal of Biological Chemistry*, **2013**, 288, 14959-72 | 5.4 | 109 |
| 130 | Mycobacteria inhibit nitric oxide synthase recruitment to phagosomes during macrophage infection. *Infection and Immunity*, **2004**, 72, 2872-8 | 3.7 | 104 |
| 129 | Higher order Rab programming in phagolysosome biogenesis. *Journal of Cell Biology*, **2006**, 174, 923-9 | 7.3 | 101 |
| 128 | Mycobacterial FurA is a negative regulator of catalase-peroxidase gene katG. *Molecular Microbiology*, **2001**, 39, 1174-85 | 4.1 | 101 |
| 127 | Pseudomonas aeruginosa, mucoidy and the chronic infection phenotype in cystic fibrosis. *Trends in Microbiology*, **1995**, 3, 351-6 | 12.4 | 99 |
| 126 | Autophagy in immunity against mycobacterium tuberculosis: a model system to dissect immunological roles of autophagy. *Current Topics in Microbiology and Immunology*, **2009**, 335, 169-88 | 3.3 | 98 |
| 125 | Pharmaceutical screen identifies novel target processes for activation of autophagy with a broad translational potential. *Nature Communications*, **2015**, 6, 8620 | 17.4 | 96 |
| 124 | Molecular basis for the exquisite sensitivity of Mycobacterium tuberculosis to isoniazid. *Proceedings of the National Academy of Sciences of the United States of America*, **1996**, 93, 13212-6 | 11.5 | 94 |
| 123 | Induction of p38 mitogen-activated protein kinase reduces early endosome autoantigen 1 (EEA1) recruitment to phagosomal membranes. *Journal of Biological Chemistry*, **2003**, 278, 46961-7 | 5.4 | 90 |
| 122 | Global genomic analysis of AlgU (sigma(E))-dependent promoters (sigmulon) in Pseudomonas aeruginosa and implications for inflammatory processes in cystic fibrosis. *Journal of Bacteriology*, **2002**, 184, 1057-64 | 3.5 | 90 |

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|---|---|---|---|
| 121 | Mycobacterium tuberculosis phagosome maturation arrest: selective targeting of PI3P-dependent membrane trafficking. *Traffic*, **2003**, 4, 600-6 | 5.7 | 88 |
| 120 | A tale of two lipids: Mycobacterium tuberculosis phagosome maturation arrest. *Current Opinion in Microbiology*, **2004**, 7, 71-7 | 7.9 | 88 |
| 119 | Mechanism of inducible nitric oxide synthase exclusion from mycobacterial phagosomes. *PLoS Pathogens*, **2007**, 3, e186 | 7.6 | 86 |
| 118 | Silencing of oxidative stress response in Mycobacterium tuberculosis: expression patterns of ahpC in virulent and avirulent strains and effect of ahpC inactivation. *Infection and Immunity*, **2001**, 69, 5967-73 | 3.7 | 86 |
| 117 | Reactive nitrogen and oxygen intermediates and bacterial defenses: unusual adaptations in Mycobacterium tuberculosis. *Antioxidants and Redox Signaling*, **2002**, 4, 141-59 | 8.4 | 86 |
| 116 | Secretory versus degradative autophagy: unconventional secretion of inflammatory mediators. *Journal of Innate Immunity*, **2013**, 5, 471-9 | 6.9 | 85 |
| 115 | Multiple regulatory and effector roles of autophagy in immunity. *Current Opinion in Immunology*, **2009**, 21, 53-62 | 7.8 | 84 |
| 114 | The role of PI3P phosphatases in the regulation of autophagy. *FEBS Letters*, **2010**, 584, 1313-8 | 3.8 | 84 |
| 113 | Autophagy as an immune effector against tuberculosis. *Current Opinion in Microbiology*, **2013**, 16, 355-65 | 7.9 | 83 |
| 112 | Mechanism of Stx17 recruitment to autophagosomes via IRGM and mammalian Atg8 proteins. *Journal of Cell Biology*, **2018**, 217, 997-1013 | 7.3 | 80 |
| 111 | Dual regulation of mucoidy in Pseudomonas aeruginosa and sigma factor antagonism. *Molecular Microbiology*, **2000**, 36, 341-51 | 4.1 | 80 |
| 110 | A set of cassettes and improved vectors for genetic and biochemical characterization of Pseudomonas genes. *Gene*, **1987**, 57, 61-72 | 3.8 | 80 |
| 109 | Galectin-3 Coordinates a Cellular System for Lysosomal Repair and Removal. *Developmental Cell*, **2020**, 52, 69-87.e8 | 10.2 | 80 |
| 108 | Autophagy in major human diseases. *EMBO Journal*, **2021**, 40, e108863 | 13 | 79 |
| 107 | Mycobacterium tuberculosis reprograms waves of phosphatidylinositol 3-phosphate on phagosomal organelles. *Journal of Biological Chemistry*, **2004**, 279, 36982-92 | 5.4 | 73 |
| 106 | Molecular basis for defective glycosylation and Pseudomonas pathogenesis in cystic fibrosis lung. *Proceedings of the National Academy of Sciences of the United States of America*, **2001**, 98, 13972-7 | 11.5 | 73 |
| 105 | Precision autophagy directed by receptor regulators - emerging examples within the TRIM family. *Journal of Cell Science*, **2016**, 129, 881-91 | 5.3 | 72 |
| 104 | PtdIns(3)P-bound UVRAG coordinates Golgi-ER retrograde and Atg9 transport by differential interactions with the ER tether and the beclin 1 complex. *Nature Cell Biology*, **2013**, 15, 1206-1219 | 23.4 | 71 |

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|---|---|---|---|
| 103 | Autophagy in inflammation, infection, and immunometabolism. *Immunity*, **2021**, 54, 437-453 | 32.3 | 68 |
| 102 | Membrane-to-cytosol redistribution of ECF sigma factor AlgU and conversion to mucoidy in Pseudomonas aeruginosa isolates from cystic fibrosis patients. *Molecular Microbiology*, **2000**, 36, 314-27 | 4.1 | 67 |
| 101 | TRIM-directed selective autophagy regulates immune activation. *Autophagy*, **2017**, 13, 989-990 | 10.2 | 64 |
| 100 | Broad-host-range plasmid and M13 bacteriophage-derived vectors for promoter analysis in Escherichia coli and Pseudomonas aeruginosa. *Gene*, **1988**, 74, 375-86 | 3.8 | 64 |
| 99 | Phosphorylation of Syntaxin 17 by TBK1 Controls Autophagy Initiation. *Developmental Cell*, **2019**, 49, 130-144.e6 | 10.2 | 63 |
| 98 | Hyperacidification in cystic fibrosis: links with lung disease and new prospects for treatment. *Trends in Molecular Medicine*, **2002**, 8, 512-9 | 11.5 | 62 |
| 97 | Autophagy in immune defense against Mycobacterium tuberculosis. *Autophagy*, **2006**, 2, 175-8 | 10.2 | 61 |
| 96 | Nitric oxide generated from isoniazid activation by KatG: source of nitric oxide and activity against Mycobacterium tuberculosis. *Antimicrobial Agents and Chemotherapy*, **2004**, 48, 3006-9 | 5.9 | 60 |
| 95 | Galectins control MTOR and AMPK in response to lysosomal damage to induce autophagy. *Autophagy*, **2019**, 15, 169-171 | 10.2 | 57 |
| 94 | Microarray analysis and functional characterization of the nitrosative stress response in nonmucoid and mucoid Pseudomonas aeruginosa. *Journal of Bacteriology*, **2004**, 186, 4046-50 | 3.5 | 57 |
| 93 | Innate lung defenses and compromised Pseudomonas aeruginosa clearance in the malnourished mouse model of respiratory infections in cystic fibrosis. *Infection and Immunity*, **2000**, 68, 2142-7 | 3.7 | 56 |
| 92 | Inhibition of InhA activity, but not KasA activity, induces formation of a KasA-containing complex in mycobacteria. *Journal of Biological Chemistry*, **2003**, 278, 20547-54 | 5.4 | 55 |
| 91 | AMPK, a Regulator of Metabolism and Autophagy, Is Activated by Lysosomal Damage via a Novel Galectin-Directed Ubiquitin Signal Transduction System. *Molecular Cell*, **2020**, 77, 951-969.e9 | 17.6 | 53 |
| 90 | TRIM proteins regulate autophagy: TRIM5 is a selective autophagy receptor mediating HIV-1 restriction. *Autophagy*, **2014**, 10, 2387-8 | 10.2 | 53 |
| 89 | Autophagy in tuberculosis. *Cold Spring Harbor Perspectives in Medicine*, **2014**, 4, a018481 | 5.4 | 52 |
| 88 | Microarray analysis reveals induction of lipoprotein genes in mucoid Pseudomonas aeruginosa: implications for inflammation in cystic fibrosis. *Infection and Immunity*, **2004**, 72, 5012-8 | 3.7 | 52 |
| 87 | Th1-Th2 polarisation and autophagy in the control of intracellular mycobacteria by macrophages. *Veterinary Immunology and Immunopathology*, **2009**, 128, 37-43 | 2 | 47 |
| 86 | Autophagy, an immunologic magic bullet: Mycobacterium tuberculosis phagosome maturation block and how to bypass it. *Future Microbiology*, **2008**, 3, 517-24 | 2.9 | 47 |

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|---|---|---|---|
| 85 | Loss of oxyR in Mycobacterium tuberculosis. *Trends in Microbiology*, **1997**, 5, 367-72 | 12.4 | 46 |
| 84 | Cellular and molecular mechanism for secretory autophagy. *Autophagy*, **2017**, 13, 1084-1085 | 10.2 | 45 |
| 83 | Cellubrevin alterations and Mycobacterium tuberculosis phagosome maturation arrest. *Journal of Biological Chemistry*, **2002**, 277, 17320-6 | 5.4 | 45 |
| 82 | Autophagosome and phagosome. *Methods in Molecular Biology*, **2008**, 445, 1-10 | 1.4 | 44 |
| 81 | Endosomal membrane traffic: convergence point targeted by Mycobacterium tuberculosis and HIV. *Cellular Microbiology*, **2004**, 6, 999-1009 | 3.9 | 44 |
| 80 | Relief from Zmp1-mediated arrest of phagosome maturation is associated with facilitated presentation and enhanced immunogenicity of mycobacterial antigens. *Vaccine Journal*, **2011**, 18, 907-13 | | 41 |
| 79 | Mapping of Mycobacterium tuberculosis katG promoters and their differential expression in infected macrophages. *Journal of Bacteriology*, **2001**, 183, 4033-9 | 3.5 | 41 |
| 78 | Requirements for nitric oxide generation from isoniazid activation in vitro and inhibition of mycobacterial respiration in vivo. *Journal of Bacteriology*, **2004**, 186, 5427-31 | 3.5 | 38 |
| 77 | Regulators of membrane trafficking and Mycobacterium tuberculosis phagosome maturation block. *Electrophoresis*, **2000**, 21, 3378-85 | 3.6 | 38 |
| 76 | Role of autophagy in IL-1 export and release from cells. *Seminars in Cell and Developmental Biology*, **2018**, 83, 36-41 | 7.5 | 37 |
| 75 | Autophagy's secret life: secretion instead of degradation. *Essays in Biochemistry*, **2017**, 61, 637-647 | 7.6 | 37 |
| 74 | Hyperacidification of cellubrevin endocytic compartments and defective endosomal recycling in cystic fibrosis respiratory epithelial cells. *Journal of Biological Chemistry*, **2002**, 277, 13959-65 | 5.4 | 37 |
| 73 | Pharmacological modulation of cGMP levels by phosphodiesterase 5 inhibitors as a therapeutic strategy for treatment of respiratory pathology in cystic fibrosis. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2007**, 293, L712-9 | 5.8 | 35 |
| 72 | The Pseudomonas aeruginosa homologs of hemC and hemD are linked to the gene encoding the regulator of mucoidy AlgR. *Molecular Genetics and Genomics*, **1994**, 242, 177-84 | | 34 |
| 71 | Links between autophagy, innate immunity, inflammation and Crohn's disease. *Digestive Diseases*, **2009**, 27, 246-51 | 3.2 | 33 |
| 70 | Biochemical characterization and posttranslational modification of AlgU, a regulator of stress response in Pseudomonas aeruginosa. *Biochemical and Biophysical Research Communications*, **1995**, 216, 874-80 | 3.4 | 33 |
| 69 | How cells clean house. *Scientific American*, **2008**, 298, 74-81 | 0.5 | 30 |
| 68 | Autophagy and HIV. *Seminars in Cell and Developmental Biology*, **2010**, 21, 712-8 | 7.5 | 28 |

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|---|---|---|---|
| 67 | Molecular and physiological effects of mycobacterial oxyR inactivation. *Journal of Bacteriology*, **2006**, 188, 2674-80 | 3.5 | 28 |
| 66 | Elevated furin levels in human cystic fibrosis cells result in hypersusceptibility to exotoxin A-induced cytotoxicity. *Journal of Clinical Investigation*, **2007**, 117, 3489-97 | 15.9 | 28 |
| 65 | TRIM17 contributes to autophagy of midbodies while actively sparing other targets from degradation. *Journal of Cell Science*, **2016**, 129, 3562-3573 | 5.3 | 27 |
| 64 | Targeted pulmonary delivery of inducers of host macrophage autophagy as a potential host-directed chemotherapy of tuberculosis. *Advanced Drug Delivery Reviews*, **2016**, 102, 10-20 | 18.5 | 27 |
| 63 | Nonclassical pathway of Pseudomonas aeruginosa DNA-induced interleukin-8 secretion in cystic fibrosis airway epithelial cells. *Infection and Immunity*, **2006**, 74, 2975-84 | 3.7 | 27 |
| 62 | Autophagy in leukocytes and other cells: mechanisms, subsystem organization, selectivity, and links to innate immunity. *Journal of Leukocyte Biology*, **2016**, 100, 969-978 | 6.5 | 27 |
| 61 | Galectins and TRIMs directly interact and orchestrate autophagic response to endomembrane damage. *Autophagy*, **2017**, 13, 1086-1087 | 10.2 | 26 |
| 60 | Mechanism of action of the tuberculosis and Crohn disease risk factor IRGM in autophagy. *Autophagy*, **2016**, 12, 429-31 | 10.2 | 25 |
| 59 | Azithromycin and ciprofloxacin have a chloroquine-like effect on respiratory epithelial cells **2020**, | | 25 |
| 58 | Mammalian Atg8 proteins regulate lysosome and autolysosome biogenesis through SNAREs. *EMBO Journal*, **2019**, 38, e101994 | 13 | 24 |
| 57 | Endosomal hyperacidification in cystic fibrosis is due to defective nitric oxide-cylic GMP signalling cascade. *EMBO Reports*, **2006**, 7, 553-9 | 6.5 | 24 |
| 56 | Autophagic proteolysis of long-lived proteins in nonliver cells. *Methods in Molecular Biology*, **2008**, 445, 111-7 | 1.4 | 24 |
| 55 | 13[C]-urea breath test as a novel point-of-care biomarker for tuberculosis treatment and diagnosis. *PLoS ONE*, **2010**, 5, e12451 | 3.7 | 23 |
| 54 | Autophagy gives a nod and a wink to the inflammasome and Paneth cells in Crohn's disease. *Developmental Cell*, **2008**, 15, 641-2 | 10.2 | 23 |
| 53 | In vitro interactions of the histone-like protein IHF with the algD promoter, a critical site for control of mucoidy in Pseudomonas aeruginosa. *Biochemical and Biophysical Research Communications*, **1992**, 189, 837-44 | 3.4 | 22 |
| 52 | Ambroxol Induces Autophagy and Potentiates Rifampin Antimycobacterial Activity. *Antimicrobial Agents and Chemotherapy*, **2018**, 62, | 5.9 | 21 |
| 51 | Mammalian Atg8 proteins and the autophagy factor IRGM control mTOR and TFEB at a regulatory node critical for responses to pathogens. *Nature Cell Biology*, **2020**, 22, 973-985 | 23.4 | 20 |
| 50 | Autophagy and p62/sequestosome 1 generate neo-antimicrobial peptides (cryptides) from cytosolic proteins. *Autophagy*, **2011**, 7, 336-7 | 10.2 | 17 |

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|---|---|---|---|
| 49 | Autophagosome Formation: Cutting the Gordian Knot at the ER. *Current Biology*, **2018**, 28, R347-R349 | 6.3 | 16 |
| 48 | Chloroquine normalizes aberrant transforming growth factor beta activity in cystic fibrosis bronchial epithelial cells. *Pediatric Pulmonology*, **2006**, 41, 771-8 | 3.5 | 14 |
| 47 | Sustained activation of autophagy suppresses adipocyte maturation via a lipolysis-dependent mechanism. *Autophagy*, **2020**, 16, 1668-1682 | 10.2 | 14 |
| 46 | Monitoring autophagy during Mycobacterium tuberculosis infection. *Methods in Enzymology*, **2009**, 452, 345-61 | 1.7 | 13 |
| 45 | Determinants of Phagocytosis, Phagosome Biogenesis and Autophagy for Mycobacterium tuberculosis **2017**, 1-22 | | 12 |
| 44 | Autophagy of intracellular microbes and mitochondria: two sides of the same coin?. *F1000 Biology Reports*, **2010**, 2, | | 12 |
| 43 | A master conductor for aggregate clearance by autophagy. *Developmental Cell*, **2010**, 18, 694-6 | 10.2 | 11 |
| 42 | Nitrosative stress inhibits production of the virulence factor alginate in mucoid Pseudomonas aeruginosa. *Free Radical Research*, **2007**, 41, 208-15 | 4 | 11 |
| 41 | ATG9A protects the plasma membrane from programmed and incidental permeabilization. *Nature Cell Biology*, **2021**, 23, 846-858 | 23.4 | 11 |
| 40 | Optical induction of autophagy via Transcription factor EB (TFEB) reduces pathological tau in neurons. *PLoS ONE*, **2020**, 15, e0230026 | 3.7 | 10 |
| 39 | Phosphoinositides in phagolysosome and autophagosome biogenesis. *Biochemical Society Symposia* , **2007**, 74, 141-148 | | 10 |
| 38 | Autophagy in metabolism and quality control: opposing, complementary or interlinked functions?. *Autophagy*, **2021**, 1-10 | 10.2 | 10 |
| 37 | TRIM32, but not its muscular dystrophy-associated mutant, positively regulates and is targeted to autophagic degradation by p62/SQSTM1. *Journal of Cell Science*, **2019**, 132, | 5.3 | 9 |
| 36 | Phosphoinositides in phagolysosome and autophagosome biogenesis. *Biochemical Society Symposia* , **2007**, 141-8 | | 9 |
| 35 | AMPK is activated during lysosomal damage via a galectin-ubiquitin signal transduction system. *Autophagy*, **2020**, 16, 1550-1552 | 10.2 | 8 |
| 34 | Autophagosomes and lipid droplets: no longer just chewing the fat. *EMBO Journal*, **2015**, 34, 2111-3 | 13 | 7 |
| 33 | MERIT, a cellular system coordinating lysosomal repair, removal and replacement. *Autophagy*, **2020**, 16, 1539-1541 | 10.2 | 7 |
| 32 | Strange bedfellows expose ancient secrets of autophagy in immunity. *Immunity*, **2009**, 30, 479-81 | 32.3 | 7 |

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|---|---|---|---|
| 31 | Mammalian hybrid pre-autophagosomal structure HyPAS generates autophagosomes. *Cell*, **2021**, 184, 5950-5969.e22 | 56.2 | 7 |
| 30 | Ambroxol and Ciprofloxacin Show Activity Against SARS-CoV2 in Vero E6 Cells at Clinically-Relevant Concentrations **2020**, | | 7 |
| 29 | Ay, there's the Rab: organelle maturation by Rab conversion. *Developmental Cell*, **2005**, 9, 446-8 | 10.2 | 6 |
| 28 | The Mycobacterium tuberculosis phagosome. *Methods in Molecular Biology*, **2008**, 445, 439-49 | 1.4 | 6 |
| 27 | Atg8ylation as a general membrane stress and remodeling response. *Cell Stress*, **2021**, 5, 128-142 | 5.5 | 5 |
| 26 | Enhancement of lung levels of antibiotics by ambroxol and bromhexine. *Expert Opinion on Drug Metabolism and Toxicology*, **2019**, 15, 213-218 | 5.5 | 4 |
| 25 | Host dependenet inactivation by IS2 of induced E.coli penicillin amidase gene cloned on multicopy plasmids. *Biotechnology Letters*, **1993**, 15, 7-12 | 3 | 4 |
| 24 | Mammalian Atg8-family proteins are upstream regulators of the lysosomalsystem by controlling MTOR and TFEB. *Autophagy*, **2020**, 16, 2305-2306 | 10.2 | 4 |
| 23 | A guide to membrane atg8ylation and autophagy with reflections on immunity. *Journal of Cell Biology*, **2022**, 221, | 7.3 | 4 |
| 22 | Mycobacterial FurA is a negative regulator of catalase-peroxidase gene katG **2001**, 39, 1174 | | 3 |
| 21 | Non-autophagy role of Atg5 and NBR1 in unconventional secretion of IL-12 prevents gut dysbiosis and inflammation. *Journal of Crohn's and Colitis*, **2021**, | 1.5 | 3 |
| 20 | T Helper 2 Cytokines Inhibit Autophagic Control of Intracellular Mycobacterium tuberculosis. *Immunity*, **2007**, 27, 685 | 32.3 | 2 |
| 19 | Overview of Autophagy **2006**, 1-17 | | 2 |
| 18 | Autophagy in Antiviral Host Defense **2006**, 227-241 | | 2 |
| 17 | Autophagy dark genes: Can we find them with machine learning? | | 2 |
| 16 | Mucoid Pseudomonas aeruginosa and cystic fibrosis: The role of mutations in muc loci. *FEMS Microbiology Letters*, **1992**, 100, 323-329 | 2.9 | 2 |
| 15 | Control of autophagy initiation by phosphoinositide 3-phosphatase jumpy. *EMBO Journal*, **2009**, 28, 3780-3780 | 13 | 1 |
| 14 | Cell Biology and Biochemistry of Autophagy **2006**, 19-53 | | 1 |

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|---|---|---|---|
| 13 | Microarray Analysis of Global Gene Expression in Mucoid Pseudomonas aeruginosa. *Journal of Bacteriology*, **2003**, 185, 7029-7029 | 3.5 | 1 |
| 12 | Non-autophagy role of Atg5 and NBR1 in unconventional secretion of IL-12 prevents gut dysbiosis and inflammation | | 1 |
| 11 | Autophagy, Inflammation, and Metabolism (AIM) Center in its second year. *Autophagy*, **2019**, 15, 1829-1833 | 10.2 | |
| 10 | The inhibition of phagolysosomal biogenesis is fundamental to tuberculosis. *Drug Discovery Today Disease Mechanisms*, **2006**, 3, 247-252 | | |
| 9 | Endogenous Major Histocompatibility Complex Class II Antigen Processing of Viral Antigens **2006**, 212-225 | | |
| 8 | The Dual Roles for Autophagy in Cell Death and Survival **2006**, 105-126 | | |
| 7 | Autophagy and Mycobacterium tuberculosis **2006**, 127-138 | | |
| 6 | Listeria monocytogenes: A Model System for Studying Autophagy **2006**, 161-178 | | |
| 5 | In vitro phagosome-endosome fusion. *Methods in Molecular Biology*, **2008**, 445, 301-9 | 1.4 | |
| 4 | Autophagy pathway intersects with HIV-1 biosynthesis and regulates viral yields in macrophages. *Journal of Experimental Medicine*, **2009**, 206, i16-i16 | 16.6 | |
| 3 | The effect of HSF-1 and HSP70 on autophagy regulation. *FASEB Journal*, **2013**, 27, 994.7 | 0.9 | |
| 2 | Autophagy: a Fundamental Cytoplasmic Sanitation Process Operational in All Cell Types Including Macrophages | 419-42 | |
| 1 | Not lowering the bar, just providing a step stool. *Autophagy*, **2021**, 17, 1569-1570 | 10.2 | |