

# Vinay Choubey

## List of Publications by Year in descending order

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Version: 2024-02-01

29  
papers

9,731  
citations

304743

22  
h-index

552781

26  
g-index

29  
all docs

29  
docs citations

29  
times ranked

22354  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Negative feedback system to maintain cell ROS homeostasis: KEAP1-PGAM5 complex senses mitochondrially generated ROS to induce mitophagy. <i>Autophagy</i> , 2022, 18, 2249-2251.  | 9.1 | 5         |
| 2  | Molecular Mechanisms and Regulation of Mammalian Mitophagy. <i>Cells</i> , 2022, 11, 38.  | 4.1 | 45        |
| 3  | A novel role of KEAP1/PGAM5 complex: ROS sensor for inducing mitophagy. <i>Redox Biology</i> , 2021, 48, 102186.  | 9.0 | 36        |
| 4  | Mitochondrial transport proteins RHOT1 and RHOT2 serve as docking sites for PRKN-mediated mitophagy. <i>Autophagy</i> , 2019, 15, 930-931.  | 9.1 | 14        |
| 5  | Miro proteins prime mitochondria for Parkin translocation and mitophagy. <i>EMBO Journal</i> , 2019, 38, .  | 7.8 | 87        |
| 6  | Mitochondrial biogenesis is required for axonal growth. <i>Development (Cambridge)</i> , 2016, 143, 1981-92.  | 2.5 | 67        |
| 7  | Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.   | 9.1 | 4,701     |
| 8  | Role of Mitochondrial Dynamics in Neuronal Development: Mechanism for Wolfram Syndrome. <i>PLoS Biology</i> , 2016, 14, e1002511.   | 5.6 | 101       |
| 9  | Mitochondrial biogenesis is required for axonal growth. <i>Journal of Cell Science</i> , 2016, 129, e1.2-e1.2.  | 2.0 | 0         |
| 10 | Wolfram syndrome 1: from ER stress to impaired mitochondrial dynamics and neuronal development. <i>SpringerPlus</i> , 2015, 4, .  | 1.2 | 2         |
| 11 | Miro1 overexpression protects against $\beta$ -synuclein-induced mitochondrial loss in neuronal culture. <i>SpringerPlus</i> , 2015, 4, .   | 1.2 | 0         |
| 12 | Mitochondrial biogenesis is rate limiting-factor for axonal growth. <i>SpringerPlus</i> , 2015, 4, .  | 1.2 | 0         |
| 13 | Activation of Autophagic Flux against Xenoestrogen Bisphenol-A-induced Hippocampal Neurodegeneration via AMP kinase (AMPK)/Mammalian Target of Rapamycin (mTOR) Pathways. <i>Journal of Biological Chemistry</i> , 2015, 290, 21163-21184.  | 3.4 | 66        |
| 14 | Ethosuximide Induces Hippocampal Neurogenesis and Reverses Cognitive Deficits in an Amyloid- $\beta$ 2 Toxin-induced Alzheimer Rat Model via the Phosphatidylinositol 3-Kinase (PI3K)/Akt/Wnt/ $\beta$ -Catenin Pathway. <i>Journal of Biological Chemistry</i> , 2015, 290, 28540-28558. | 3.4 | 74        |
| 15 | BECN1 is involved in the initiation of mitophagy. <i>Autophagy</i> , 2014, 10, 1105-1119.   | 9.1 | 92        |
| 16 | Principles of the mitochondrial fusion and fission cycle in neurons. <i>Journal of Cell Science</i> , 2013, 126, 2187-97.   | 2.0 | 118       |
| 17 | Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.  | 9.1 | 3,122     |
| 18 | Mutant A53T $\beta$ -Synuclein Induces Neuronal Death by Increasing Mitochondrial Autophagy. <i>Journal of Biological Chemistry</i> , 2011, 286, 10814-10824.   | 3.4 | 226       |

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|----|---|-----|-----------|
| 19 | PGC-1 $\beta$ and PGC-1 $\alpha$ Regulate Mitochondrial Density in Neurons. <i>Journal of Biological Chemistry</i> , 2009, 284, 21379-21385.  | 3.4 | 256       |
| 20 | Bilirubin inhibits Plasmodium falciparum growth through the generation of reactive oxygen species. <i>Free Radical Biology and Medicine</i> , 2008, 44, 602-613.  | 2.9 | 60        |
| 21 | Antiplasmodial Activity of [(Aryl)arylsulfanylmethyl]Pyridine. <i>Antimicrobial Agents and Chemotherapy</i> , 2008, 52, 705-715.  | 3.2 | 51        |
| 22 | Lansoprazole Protects and Heals Gastric Mucosa from Non-steroidal Anti-inflammatory Drug (NSAID)-induced Gastropathy by Inhibiting Mitochondrial as Well as Fas-mediated Death Pathways with Concurrent Induction of Mucosal Cell Renewal. <i>Journal of Biological Chemistry</i> , 2008, 283, 14391-14401. | 3.4 | 51        |
| 23 | Mitochondrial Swelling Impairs the Transport of Organelles in Cerebellar Granule Neurons. <i>Journal of Biological Chemistry</i> , 2007, 282, 32821-32826.  | 3.4 | 41        |
| 24 | Overexpression, purification and localization of apoptosis related protein from Plasmodium falciparum. <i>Protein Expression and Purification</i> , 2007, 52, 363-372.  | 1.3 | 12        |
| 25 | Antimalarial drugs inhibiting hemozoin ( $\beta$ -hematin) formation: A mechanistic update. <i>Life Sciences</i> , 2007, 80, 813-828.   | 4.3 | 151       |
| 26 | Inhibition of Plasmodium falciparum Choline Kinase by Hexadecyltrimethylammonium Bromide: a Possible Antimalarial Mechanism. <i>Antimicrobial Agents and Chemotherapy</i> , 2007, 51, 696-706.  | 3.2 | 64        |
| 27 | Melatonin inhibits free radical-mediated mitochondrial-dependent hepatocyte apoptosis and liver damage induced during malarial infection. <i>Journal of Pineal Research</i> , 2007, 43, 372-381.  | 7.4 | 86        |
| 28 | Molecular characterization and localization of Plasmodium falciparum choline kinase. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2006, 1760, 1027-1038.   | 2.4 | 37        |
| 29 | Apoptosis in liver during malaria: role of oxidative stress and implication of mitochondrial pathway. <i>FASEB Journal</i> , 2006, 20, 1224-1226.   | 0.5 | 166       |