

# Jyotirmaya Behera

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

883  
citations

430874

18  
h-index

501196

28  
g-index

31  
all docs

31  
docs citations

31  
times ranked

1017  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Temporal dynamics of nitric oxide wave in early vasculogenesis. <i>Vascular Medicine</i> , 2022, 27, 3-12.   | 1.5  | 2         |
| 2  | Garlic exosome-like nanoparticles reverse high-fat diet induced obesity via the gut/brain axis. <i>Theranostics</i> , 2022, 12, 1220-1246.   | 10.0 | 44        |
| 3  | Mechanisms of autophagy and mitophagy in skeletal development, diseases and therapeutics. <i>Life Sciences</i> , 2022, 301, 120595.  | 4.3  | 16        |
| 4  | Diabetic Covid-19 severity: Impaired glucose tolerance and pathologic bone loss. <i>Biochemical and Biophysical Research Communications</i> , 2022, 620, 180-187.  | 2.1  | 4         |
| 5  | Exercise-Linked Skeletal Irisin Ameliorates Diabetes-Associated Osteoporosis by Inhibiting the Oxidative Damage-Dependent miR-150-FNDC5/Pyroptosis Axis. <i>Diabetes</i> , 2022, 71, 2777-2792.  | 0.6  | 29        |
| 6  | Probiotics Stimulate Bone Formation in Obese Mice via Histone Methylations. <i>Theranostics</i> , 2021, 11, 8605-8623.   | 10.0 | 22        |
| 7  | Exosomal lncRNA-H19 promotes osteogenesis and angiogenesis through mediating Angpt1/Tie2-NO signaling in CBS-heterozygous mice. <i>Theranostics</i> , 2021, 11, 7715-7734.   | 10.0 | 59        |
| 8  | Allyl sulfide promotes osteoblast differentiation and bone density via reducing mitochondrial DNA release mediated Kdm6b/H3K27me3 epigenetic mechanism. <i>Biochemical and Biophysical Research Communications</i> , 2021, 543, 87-94. | 2.1  | 11        |
| 9  | Rebuilding Microbiome for Mitigating Traumatic Brain Injury: Importance of Restructuring the Gut-Microbiome-Brain Axis. <i>Molecular Neurobiology</i> , 2021, 58, 3614-3627.   | 4.0  | 20        |
| 10 | Hydrogen sulfide prevents ethanol-induced ZO-1 CpG promoter hypermethylation-dependent vascular permeability via miR-218/DNMT3a axis. <i>Journal of Cellular Physiology</i> , 2021, 236, 6852-6867.                                    | 4.1  | 12        |
| 11 | The role of gut microbiota in bone homeostasis. <i>Bone</i> , 2020, 135, 115317.   | 2.9  | 78        |
| 12 | Nitric oxide restores peripheral blood mononuclear cell adhesion against hypoxia via NO-cGMP signalling. <i>Cell Biochemistry and Function</i> , 2020, 38, 319-329.  | 2.9  | 4         |
| 13 | Hyperhomocysteinemia induced endothelial progenitor cells dysfunction through hyper-methylation of CBS promoter. <i>Biochemical and Biophysical Research Communications</i> , 2019, 510, 135-141.                                      | 2.1  | 23        |
| 14 | Hydrogen sulfide attenuates homocysteine-induced osteoblast dysfunction by inhibiting mitochondrial toxicity. <i>Journal of Cellular Physiology</i> , 2019, 234, 18602-18614.  | 4.1  | 23        |
| 15 | Role of hydrogen sulfide in the musculoskeletal system. <i>Bone</i> , 2019, 124, 33-39.  | 2.9  | 15        |
| 16 | Tetrahydrocurcumin epigenetically mitigates mitochondrial dysfunction in brain vasculature during ischemic stroke. <i>Neurochemistry International</i> , 2019, 122, 120-138.   | 3.8  | 54        |
| 17 | Altered Non-Coding RNA-Histone Acetylation Regulatory Circuit Is Associated With Cognitive Impairment via Gut Dysbiosis in Aging Mice. <i>FASEB Journal</i> , 2019, 33, 714.3.   | 0.5  | 2         |
| 18 | Probiotics Ameliorate Gut-Microbial Dysbiosis, Intestinal Permeability, Systemic Inflammation, and Skeletal Muscle Dysfunction in Cystathionine- $\beta$ -Synthase-Deficient Mice. <i>FASEB Journal</i> , 2019, 33, 701.16.            | 0.5  | 1         |

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|----|--|-----|-----------|
| 19 | Exercise Mitigates Alcohol Induced Endoplasmic Reticulum Stress Mediated Cognitive Impairment through ATF6-Herp Signaling. <i>Scientific Reports</i> , 2018, 8, 5158.  | 3.3 | 29        |
| 20 | Tetrahydrocurcumin ameliorates homocysteine-mediated mitochondrial remodeling in brain endothelial cells. <i>Journal of Cellular Physiology</i> , 2018, 233, 3080-3092.  | 4.1 | 25        |
| 21 | Hydrogen Sulfide Promotes Bone Homeostasis by Balancing Inflammatory Cytokine Signaling in CBS-Deficient Mice through an Epigenetic Mechanism. <i>Scientific Reports</i> , 2018, 8, 15226.   | 3.3 | 41        |
| 22 | Hydrogen sulfide improves postischemic neoangiogenesis in the hind limb of cystathionine- $\beta$ -synthase mutant mice via PPAR- $\gamma$ /VEGF axis. <i>Physiological Reports</i> , 2018, 6, e13858.                                 | 1.7 | 37        |
| 23 | Exosomes: mediators of bone diseases, protection, and therapeutics potential. <i>Oncoscience</i> , 2018, 5, 181-195.   | 2.2 | 90        |
| 24 | Hydrogen sulfide alleviates hyperhomocysteinemia-mediated skeletal muscle atrophy via mitigation of oxidative and endoplasmic reticulum stress injury. <i>American Journal of Physiology - Cell Physiology</i> , 2018, 315, C609-C622. | 4.6 | 46        |
| 25 | Hydrogen sulfide epigenetically mitigates bone loss through OPC/RANKL regulation during hyperhomocysteinemia in mice. <i>Bone</i> , 2018, 114, 90-108.   | 2.9 | 66        |
| 26 | Probiotic Treatment Induces Neuroprotection in Hyperhomocysteinemia Mice after Ischemic Stroke. <i>FASEB Journal</i> , 2018, 32, 921.7.  | 0.5 | 0         |
| 27 | Gut Microbiome Manipulation Promotes Bone Anabolism via Regulatory T Cell Differentiation in Obese Mice. <i>FASEB Journal</i> , 2018, 32, 924.5.   | 0.5 | 0         |
| 28 | Hydrogen sulfide, endoplasmic reticulum stress and alcohol mediated neurotoxicity. <i>Brain Research Bulletin</i> , 2017, 130, 251-256.  | 3.0 | 17        |
| 29 | Hypermethylation: Causes and Consequences in Skeletal Muscle Myopathy. <i>Journal of Cellular Biochemistry</i> , 2017, 118, 2108-2117.   | 2.6 | 23        |
| 30 | Homocysteine as a Pathological Biomarker for Bone Disease. <i>Journal of Cellular Physiology</i> , 2017, 232, 2704-2709.   | 4.1 | 61        |
| 31 | Breast cancer drugs dampen vascular functions by interfering with nitric oxide signaling in endothelium. <i>Toxicology and Applied Pharmacology</i> , 2013, 269, 121-131.  | 2.8 | 29        |