# Atul s Deshmukh

List of Publications by Year
in descending order

| | | | |
|---|---|---|---|
| 40<br>papers | 3,187<br>citations | 279798<br>23<br>h-index | 315739<br>38<br>g-index |
| 48<br>all docs | 48<br>docs citations | 48<br>times ranked | 5401<br>citing authors |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | Interdependence of AMPK and SIRT1 for Metabolic Adaptation to Fasting and Exercise in Skeletal Muscle. Cell Metabolism, 2010, 11, 213-219. | 16.2 | 752 |
| 2 | AMPK-Mediated AS160 Phosphorylation in Skeletal Muscle Is Dependent on AMPK Catalytic and Regulatory Subunits. Diabetes, 2006, 55, 2051-2058. | 0.6 | 239 |
| 3 | Deep Proteomics of Mouse Skeletal Muscle Enables Quantitation of Protein Isoforms, Metabolic Pathways, and Transcription Factors*. Molecular and Cellular Proteomics, 2015, 14, 841-853. | 3.8 | 234 |
| 4 | Protein Aggregation Capture on Microparticles Enables Multipurpose Proteomics Sample Preparation*. Molecular and Cellular Proteomics, 2019, 18, 1027a-1035. | 3.8 | 189 |
| 5 | Direct effects of FGF21 on glucose uptake in human skeletal muscle: implications for type 2 diabetes and obesity. Diabetes/Metabolism Research and Reviews, 2011, 27, 286-297. | 4.0 | 187 |
| 6 | Tbc1d1 mutation in lean mouse strain confers leanness and protects from diet-induced obesity. Nature Genetics, 2008, 40, 1354-1359. | 21.4 | 174 |
| 7 | Interleukin-6 Directly Increases Glucose Metabolism in Resting Human Skeletal Muscle. Diabetes, 2007, 56, 1630-1637. | 0.6 | 166 |
| 8 | Single muscle fiber proteomics reveals unexpected mitochondrial specialization. EMBO Reports, 2015, 16, 387-395. | 4.5 | 163 |
| 9 | Exercise-Induced Phosphorylation of the Novel Akt Substrates AS160 and Filamin A in Human Skeletal Muscle. Diabetes, 2006, 55, 1776-1782. | 0.6 | 111 |
| 10 | Proteomics-Based Comparative Mapping of the Secretomes of Human Brown and White Adipocytes Reveals EPDR1 as a Novel Batokine. Cell Metabolism, 2019, 30, 963-975.e7. | 16.2 | 109 |
| 11 | Deep muscle-proteomic analysis of freeze-dried human muscle biopsies reveals fiber type-specific adaptations to exercise training. Nature Communications, 2021, 12, 304. | 12.8 | 79 |
| 12 | The Rab-GTPase-activating protein TBC1D1 regulates skeletal muscle glucose metabolism. American Journal of Physiology - Endocrinology and Metabolism, 2012, 303, E524-E533. | 3.5 | 71 |
| 13 | Secretome Analysis of Lipid-Induced Insulin Resistance in Skeletal Muscle Cells by a Combined Experimental and Bioinformatics Workflow. Journal of Proteome Research, 2015, 14, 4885-4895. | 3.7 | 66 |
| 14 | Human thermogenic adipocyte regulation by the long noncoding RNA LINC00473. Nature Metabolism, 2020, 2, 397-412. | 11.9 | 65 |
| 15 | Nitric oxide increases cyclic GMP levels, AMP-activated protein kinase (AMPK)α1-specific activity and glucose transport in human skeletal muscle. Diabetologia, 2010, 53, 1142-1150. | 6.3 | 60 |
| 16 | Insulin-stimulated glucose uptake in healthy and insulin-resistant skeletal muscle. Hormone Molecular Biology and Clinical Investigation, 2016, 26, 13-24. | 0.7 | 55 |
| 17 | Mechanisms Preserving Insulin Action during High Dietary Fat Intake. Cell Metabolism, 2019, 29, 50-63.e4. | 16.2 | 50 |
| 18 | Role of Adenosine 5′-Monophosphate-Activated Protein Kinase Subunits in Skeletal Muscle Mammalian Target of Rapamycin Signaling. Molecular Endocrinology, 2008, 22, 1105-1112. | 3.7 | 39 |

| # | ARTICLE | IF | CITATIONS |
|---|---------|----|-----------| 
| 19 | Absolute Quantitative Profiling of the Key Metabolic Pathways in Slow and Fast Skeletal Muscle. Journal of Proteome Research, 2015, 14, 1400-1411. | 3.7 | 38 |
| 20 | Proteomics of Skeletal Muscle: Focus on Insulin Resistance and Exercise Biology. Proteomes, 2016, 4, 6. | 3.5 | 36 |
| 21 | Effects of AMPK Activation on Insulin Sensitivity and Metabolism in Leptin-Deficient <i>ob/ob</i> Mice. Diabetes, 2014, 63, 1560-1571. | 0.6 | 32 |
| 22 | Diacylglycerol kinase-δ regulates AMPK signaling, lipid metabolism, and skeletal muscle energetics. American Journal of Physiology - Endocrinology and Metabolism, 2016, 310, E51-E60. | 3.5 | 31 |
| 23 | Mass-spectrometry-based proteomics reveals mitochondrial supercomplexome plasticity. Cell Reports, 2021, 35, 109180. | 6.4 | 28 |
| 24 | Exercise-induced phospho-proteins in skeletal muscle. International Journal of Obesity, 2008, 32, S18-S23. | 3.4 | 26 |
| 25 | A Multi-Omics Approach to Liver Diseases: Integration of Single Nuclei Transcriptomics with Proteomics and HiCap Bulk Data in Human Liver. OMICS A Journal of Integrative Biology, 2020, 24, 180-194. | 2.0 | 26 |
| 26 | Progressive resistance training in head and neck cancer patients undergoing concomitant chemoradiotherapy. Laryngoscope Investigative Otolaryngology, 2017, 2, 295-306. | 1.5 | 24 |
| 27 | Proteomics Analysis of Skeletal Muscle from Leptin€Deficient <i>ob/ob</i> Mice Reveals Adaptive Remodeling of Metabolic Characteristics and Fiber Type Composition. Proteomics, 2018, 18, e1700375. | 2.2 | 22 |
| 28 | Discovery of thymosin β4 as a human exerkine and growth factor. American Journal of Physiology - Cell Physiology, 2021, 321, C770-C778. | 4.6 | 16 |
| 29 | High-intensity interval training remodels the proteome and acetylome of human skeletal muscle. ELife, 0, 11, . | 6.0 | 16 |
| 30 | Post-transcriptional gene silencing of ribosomal protein S6 kinase 1 restores insulin action in leucine-treated skeletal muscle. Cellular and Molecular Life Sciences, 2009, 66, 1457-1466. | 5.4 | 13 |
| 31 | The proteomic profile of the human myotendinous junction. IScience, 2022, 25, 103836. | 4.1 | 13 |
| 32 | Integrated Liver and Plasma Proteomics in Obese Mice Reveals Complex Metabolic Regulation. Molecular and Cellular Proteomics, 2022, 21, 100207. | 3.8 | 12 |
| 33 | Atorvastatin for prevention of disease progression and hospitalisation in liver cirrhosis: protocol for a randomised, double-blind, placebo-controlled trial. BMJ Open, 2020, 10, e035284. | 1.9 | 8 |
| 34 | Role of the AMPKγ3 isoform in hypoxia-stimulated glucose transport in glycolytic skeletal muscle. American Journal of Physiology - Endocrinology and Metabolism, 2009, 297, E1388-E1394. | 3.5 | 7 |
| 35 | Insulin and 5-Aminoimidazole-4-Carboxamide Ribonucleotide (AICAR) Differentially Regulate the Skeletal Muscle Cell Secretome. Proteomes, 2021, 9, 37. | 3.5 | 4 |
| 36 | Illumination of the Endogenous Insulin-Regulated TBC1D4 Interactome in Human Skeletal Muscle. Diabetes, 2022, 71, 906-920. | 0.6 | 3 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 37 | Exercise suppresses tumor growth independent of high fat food intake and associated immune dysfunction. Scientific Reports, 2022, 12, 5476. | 3.3 | 3 |
| 38 | Protocol to characterize mitochondrial supercomplexes from mouse tissues by combining BN-PAGE and MS-based proteomics. STAR Protocols, 2022, 3, 101135. | 1.2 | 2 |
| 39 | Organ-Specific Metabolic Pathways Distinguish Prediabetes, Type 2 Diabetes and Normal Tissues. SSRN Electronic Journal, 0, , . | 0.4 | 0 |
| 40 | Progressive resistance training in head and neck cancer patients undergoing concomitant chemoradiotherapy.. Journal of Clinical Oncology, 2016, 34, e17534-e17534. | 1.6 | 0 |