# Shenhav Cohen

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1584512/publications.pdf

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|---|---|---|---|
| 21<br>papers | 2,520<br>citations | 623734<br>14<br>h-index | 794594<br>19<br>g-index |
| 25<br>all docs | 25<br>docs citations | 25<br>times ranked | 4775<br>citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Muscle wasting in disease: molecular mechanisms and promising therapies. Nature Reviews Drug Discovery, 2015, 14, 58-74. | 46.4 | 792 |
| 2 | During muscle atrophy, thick, but not thin, filament components are degraded by MuRF1-dependent ubiquitylation. Journal of Cell Biology, 2009, 185, 1083-1095. | 5.2 | 499 |
| 3 | The extracellular matrix protein agrin promotes heart regeneration in mice. Nature, 2017, 547, 179-184. | 27.8 | 498 |
| 4 | Ubiquitylation by Trim32 causes coupled loss of desmin, Z-bands, and thin filaments in muscle atrophy. Journal of Cell Biology, 2012, 198, 575-589. | 5.2 | 165 |
| 5 | Trim32 reduces PI3Kâ€“Aktâ€“FoxO signaling in muscle atrophy by promoting plakoglobinâ€“PI3K dissociation. Journal of Cell Biology, 2014, 204, 747-758. | 5.2 | 82 |
| 6 | The trans-Golgi network-associated human ubiquitin-protein ligase POSH is essential for HIV type 1 production. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 1478-1483. | 7.1 | 71 |
| 7 | <scp>USP</scp> 1 deubiquitinates Akt to inhibit <scp>PI</scp> 3Kâ€Aktâ€FoxO signaling in muscle during prolonged starvation. EMBO Reports, 2020, 21, e48791. | 4.5 | 64 |
| 8 | GSK3-Î² promotes calpain-1â€“mediated desmin filament depolymerization and myofibril loss in atrophy. Journal of Cell Biology, 2018, 217, 3698-3714. | 5.2 | 58 |
| 9 | Myofibril breakdown during atrophy is a delayed response requiring the transcription factor PAX4 and desmin depolymerization. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E1375-E1384. | 7.1 | 50 |
| 10 | New roles for desmin in the maintenance of muscle homeostasis. FEBS Journal, 2022, 289, 2755-2770. | 4.7 | 50 |
| 11 | Non-canonical activation of DAPK2 by AMPK constitutes a new pathway linking metabolic stress to autophagy. Nature Communications, 2018, 9, 1759. | 12.8 | 33 |
| 12 | A signaling hub of insulin receptor, dystrophin glycoprotein complex and plakoglobin regulates muscle size. Nature Communications, 2020, 11, 1381. | 12.8 | 33 |
| 13 | Expression of a PKR Dominant-Negative Mutant in Myogenic Cells Interferes with the Myogenic Process. Experimental Cell Research, 2000, 254, 45-54. | 2.6 | 24 |
| 14 | Role of calpains in promoting desmin filaments depolymerization and muscle atrophy. Biochimica Et Biophysica Acta - Molecular Cell Research, 2020, 1867, 118788. | 4.1 | 24 |
| 15 | Profiling of the muscle-specific dystroglycan interactome reveals the role of Hippo signaling in muscular dystrophy and age-dependent muscle atrophy. BMC Medicine, 2020, 18, 8. | 5.5 | 20 |
| 16 | A semiautomated measurement of muscle fiber size using the Imaris software. American Journal of Physiology - Cell Physiology, 2021, 321, C615-C631. | 4.6 | 17 |
| 17 | VWA domain of S5a restricts the ability to bind ubiquitin and Ubl to the 26S proteasome. Molecular Biology of the Cell, 2014, 25, 3988-3998. | 2.1 | 15 |
| 18 | Breakdown of Filamentous Myofibrils by the UPSâ€“Step by Step. Biomolecules, 2021, 11, 110. | 4.0 | 13 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | JAKâ€“STAT signaling involved in phorbol 12-myristate 13-acetate- and dimethyl sulfoxide-induced 2â€²-5â€² oligoadenylate synthetase expression in human HL-60 leukemia cells. Leukemia Research, 2005, 29, 923-931. | 0.8 | 12 |
| 20 | During muscle atrophy, thick, but not thin, filament components are degraded by MuRF1-dependent ubiquitylation. Journal of Experimental Medicine, 2009, 206, i13-i13. | 8.5 | 0 |
| 21 | Reply to Kissane and Eggington. American Journal of Physiology - Cell Physiology, 2021, 321, C1084-C1085. | 4.6 | 0 |