

# Yulia Merkher

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5133549/publications.pdf>

Version: 2024-02-01

20  
papers

763  
citations

687363

13  
h-index

888059

17  
g-index

20  
all docs

20  
docs citations

20  
times ranked

983  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Actin as a Target to Reduce Cell Invasiveness in Initial Stages of Metastasis. <i>Annals of Biomedical Engineering</i> , 2021, 49, 1342-1352.   | 2.5 | 10        |
| 2  | Abstract PO-042: Nanoparticles imaging for cancer metastasis diagnosis. , 2021, , .   |     | 3         |
| 3  | Rapid, quantitative prediction of tumor invasiveness in non-melanoma skin cancers using mechanobiology-based assay. <i>Biomechanics and Modeling in Mechanobiology</i> , 2021, 20, 1767-1774.                     | 2.8 | 6         |
| 4  | Lung mechanics modifications facilitating metastasis are mediated in part by breast cancerâ€derived extracellular vesicles. <i>International Journal of Cancer</i> , 2020, 147, 2924-2933.                        | 5.1 | 23        |
| 5  | Proximity of Metastatic Cells Strengthens the Mechanical Interaction with Their Environment. <i>Lecture Notes in Bioengineering</i> , 2018, , 253-258.  | 0.4 | 0         |
| 6  | Proximity of Metastatic Cells Enhances Their Mechanobiological Invasiveness. <i>Annals of Biomedical Engineering</i> , 2017, 45, 1399-1406.   | 2.5 | 26        |
| 7  | Taxol reduces synergistic, mechanobiological invasiveness of metastatic cells. <i>Convergent Science Physical Oncology</i> , 2017, 3, 044002.   | 2.6 | 14        |
| 8  | Prolyl hydroxylation in elastin is not random. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2016, 1860, 2169-2177.   | 2.4 | 19        |
| 9  | Injectable hydrogels with high fixed charge density and swelling pressure for nucleus pulposus repair: Biomimetic glycosaminoglycan analogues. <i>Acta Biomaterialia</i> , 2014, 10, 1124-1133.                   | 8.3 | 46        |
| 10 | Advances in the diagnosis of degenerated lumbar discs and their possible clinical application. <i>European Spine Journal</i> , 2014, 23, 315-323.   | 2.2 | 53        |
| 11 | Biochemical composition and turnover of the extracellular matrix of the normal and degenerate intervertebral disc. <i>European Spine Journal</i> , 2014, 23, 344-353.   | 2.2 | 94        |
| 12 | A needle micro-osmometer for determination of glycosaminoglycan concentration in excised nucleus pulposus tissue. <i>European Spine Journal</i> , 2013, 22, 1765-1773.  | 2.2 | 8         |
| 13 | Normal and Shear Interactions between Hyaluronanâ€Aggrecan Complexes Mimicking Possible Boundary Lubricants in Articular Cartilage in Synovial Joints. <i>Biomacromolecules</i> , 2012, 13, 3823-3832.            | 5.4 | 72        |
| 14 | Longevity of elastin in human intervertebral disc as probed by the racemization of aspartic acid. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2012, 1820, 1671-1677.                                | 2.4 | 21        |
| 15 | Articular Cartilage Proteoglycans As Boundary Lubricants: Structure and Frictional Interaction of Surface-Attached Hyaluronan and Hyaluronanâ€Aggrecan Complexes. <i>Biomacromolecules</i> , 2011, 12, 3432-3443. | 5.4 | 120       |
| 16 | Liposomes Act as Effective Biolubricants for Friction Reduction in Human Synovial Joints. <i>Langmuir</i> , 2010, 26, 1107-1116.  | 3.5 | 108       |
| 17 | Surface Active Phospholipids as Cartilage Lubricants. , 2008, , .   |     | 0         |
| 18 | Are disc pressure, stress, and osmolarity affected by intra- and extrafibrillar fluid exchange?. <i>Journal of Orthopaedic Research</i> , 2007, 25, 1317-1324.  | 2.3 | 36        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | A rational human joint friction test using a human cartilage-on-cartilage arrangement. Tribology Letters, 2006, 22, 29-36.                                    | 2.6 | 59        |
| 20 | Correlation of swelling pressure and intrafibrillar water in young and aged human intervertebral discs. Journal of Orthopaedic Research, 2006, 24, 1292-1298. | 2.3 | 45        |