

# Abdul N Malmi-Kakkada

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4995201/publications.pdf>

Version: 2024-02-01

11  
papers

211  
citations

1478505

6  
h-index

1372567

10  
g-index

17  
all docs

17  
docs citations

17  
times ranked

219  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Angular dependence of superconductivity in superconductor/spin-valve heterostructures. Physical Review B, 2014, 89, .  | 3.2 | 59        |
| 2  | Spatially heterogeneous dynamics of cells in a growing tumor spheroid: comparison between theory and experiments. Soft Matter, 2020, 16, 5294-5304.                            | 2.7 | 38        |
| 3  | Mechanical heterogeneity along single cell-cell junctions is driven by lateral clustering of cadherins during vertebrate axis elongation. ELife, 2021, 10, .                   | 6.0 | 34        |
| 4  | Cell Growth Rate Dictates the Onset of Glass to Fluidlike Transition and Long Time Superdiffusion in an Evolving Cell Colony. Physical Review X, 2018, 8, .                    | 8.9 | 33        |
| 5  | Ising model on a random network with annealed or quenched disorder. Physical Review B, 2014, 90, .   | 3.2 | 12        |
| 6  | Interparticle Adhesion Regulates the Surface Roughness of Growing Dense Three-Dimensional Active Particle Aggregates. Journal of Physical Chemistry B, 2021, 125, 10445-10451. | 2.6 | 11        |
| 7  | Adhesion strength between cells regulate nonmonotonic growth by a biomechanical feedback mechanism. Biophysical Journal, 2022, 121, 3719-3729.                                 | 0.5 | 11        |
| 8  | Hydrodynamics of compressible superfluids in confined geometries. Journal of Physics B: Atomic, Molecular and Optical Physics, 2014, 47, 055301.                               | 1.5 | 1         |
| 9  | Superfluid field response to edge dislocation motion. Physical Review B, 2017, 95, .   | 3.2 | 1         |
| 10 | Dislocation Mobility and Anomalous Shear Modulus Effect in $^4\text{He}$ Crystals. Journal of Low Temperature Physics, 2017, 186, 259-274.                                     | 1.4 | 1         |
| 11 | Physical Signatures of Cancer Metastasis. , 2017, , .  |     | 0         |