# Anna Gustafsson

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5141356/publications.pdf

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| 13 | 238 | 1040056 | 1125743 |
|---|---|---|---|
| papers | citations | 9 | 13 |
| | | h-index | g-index |

| 14 | 14 | 14 | 230 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Linking multiscale deformation to microstructure in cortical bone using in situ loading, digital image correlation and synchrotron X-ray scattering. Acta Biomaterialia, 2018, 69, 323-331. | 8.3 | 29 |
| 2 | Crack propagation in cortical bone is affected by the characteristics of the cement line: a parameter study using an XFEM interface damage model. Biomechanics and Modeling in Mechanobiology, 2019, 18, 1247-1261. | 2.8 | 29 |
| 3 | An interface damage model that captures crack propagation at the microscale in cortical bone using XFEM. Journal of the Mechanical Behavior of Biomedical Materials, 2019, 90, 556-565. | 3.1 | 29 |
| 4 | Comparison of structural anisotropic soft tissue models for simulating Achilles tendon tensile behaviour. Journal of the Mechanical Behavior of Biomedical Materials, 2016, 61, 431-443. | 3.1 | 21 |
| 5 | A Fibre-Reinforced Poroviscoelastic Model Accurately Describes the Biomechanical Behaviour of the Rat Achilles Tendon. PLoS ONE, 2015, 10, e0126869. | 2.5 | 20 |
| 6 | Age-related properties at the microscale affect crack propagation in cortical bone. Journal of Biomechanics, 2019, 95, 109326. | 2.1 | 19 |
| 7 | Subject-specific FE models of the human femur predict fracture path and bone strength under single-leg-stance loading. Journal of the Mechanical Behavior of Biomedical Materials, 2021, 113, 104118. | 3.1 | 19 |
| 8 | Elucidating failure mechanisms in human femurs during a fall to the side using bilateral digital image correlation. Journal of Biomechanics, 2020, 106, 109826. | 2.1 | 18 |
| 9 | Strains caused by daily loading might be responsible for delayed healing of an incomplete atypical femoral fracture. Bone, 2016, 88, 125-130. | 2.9 | 16 |
| 10 | The influence of microstructure on crack propagation in cortical bone at the mesoscale. Journal of Biomechanics, 2020, 112, 110020. | 2.1 | 12 |
| 11 | Femoral strength and strains in sideways fall: Validation of finite element models against bilateral strain measurements. Journal of Biomechanics, 2021, 122, 110445. | 2.1 | 10 |
| 12 | Phase field models of interface failure for bone application - evaluation of open-source implementations. Theoretical and Applied Fracture Mechanics, 2022, 121, 103432. | 4.7 | 6 |
| 13 | Crack propagation in articular cartilage under cyclic loading using cohesive finite element modeling. Journal of the Mechanical Behavior of Biomedical Materials, 2022, 131, 105227. | 3.1 | 4 |