# He Li

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3226575/publications.pdf

Version: 2024-02-01

| 32 | 1,068 | 430874 18 | 501196 28 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 32 | 32 | 32 | 950 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Erythrocyte Membrane Model with Explicit Description of the Lipid Bilayer and the Spectrin Network. Biophysical Journal, 2014, 107, 642-653. | 0.5 | 106 |
| 2 | A General Shear-Dependent Model for Thrombus Formation. PLoS Computational Biology, 2017, 13, e1005291. | 3.2 | 104 |
| 3 | Mechanics of diseased red blood cells in human spleen and consequences for hereditary blood disorders. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 9574-9579. | 7.1 | 93 |
| 4 | Modeling of the axon membrane skeleton structure and implications for its mechanical properties. PLoS Computational Biology, 2017, 13, e1005407. | 3.2 | 73 |
| 5 | Two-Component Coarse-Grained Molecular-Dynamics Model for the Human Erythrocyte Membrane. Biophysical Journal, 2012, 102, 75-84. | 0.5 | 63 |
| 6 | A three-dimensional phase-field model for multiscale modeling of thrombus biomechanics in blood vessels. PLoS Computational Biology, 2020, 16, e1007709. | 3.2 | 51 |
| 7 | MD/DPD Multiscale Framework for Predicting Morphology and Stresses of Red Blood Cells in Health and Disease. PLoS Computational Biology, 2016, 12, e1005173. | 3.2 | 51 |
| 8 | Artificial intelligence velocimetry and microaneurysm-on-a-chip for three-dimensional analysis of blood flow in physiology and disease. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, . | 7.1 | 50 |
| 9 | OpenRBC: A Fast Simulator of Red Blood Cells atÂProtein Resolution. Biophysical Journal, 2017, 112, 2030-2037. | 0.5 | 47 |
| 10 | Computational Biomechanics of Human Red Blood Cells in Hematological Disorders. Journal of Biomechanical Engineering, 2017, 139, . | 1.3 | 46 |
| 11 | Cytoskeleton Remodeling Induces Membrane Stiffness and Stability Changes of Maturing Reticulocytes. Biophysical Journal, 2018, 114, 2014-2023. | 0.5 | 46 |
| 12 | Vesiculation of healthy and defective red blood cells. Physical Review E, 2015, 92, 012715. | 2.1 | 44 |
| 13 | Integrating blood cell mechanics, platelet adhesive dynamics and coagulation cascade for modelling thrombus formation in normal and diabetic blood. Journal of the Royal Society Interface, 2021, 18, 20200834. | 3.4 | 44 |
| 14 | A coarse-grain molecular dynamics model for sickle hemoglobin fibers. Journal of the Mechanical Behavior of Biomedical Materials, 2011, 4, 162-173. | 3.1 | 29 |
| 15 | Modeling sickle hemoglobin fibers as one chain of coarse-grained particles. Journal of Biomechanics, 2012, 45, 1947-1951. | 2.1 | 26 |
| 16 | Modeling of band-3 protein diffusion in the normal and defective red blood cell membrane. Soft Matter, 2016, 12, 3643-3653. | 2.7 | 25 |
| 17 | Data-driven Modeling of Hemodynamics and its Role on Thrombus Size and Shape in Aortic Dissections. Scientific Reports, 2018, 8, 2515. | 3.3 | 23 |
| 18 | How the spleen reshapes and retains young and old red blood cells: A computational investigation. PLoS Computational Biology, 2021, 17, e1009516. | 3.2 | 22 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Predictive modelling of thrombus formation in diabetic retinal microaneurysms. Royal Society Open Science, 2020, 7, 201102. | 2.4 | 19 |
| 20 | Quantitative prediction of erythrocyte sickling for the development of advanced sickle cell therapies. Science Advances, 2019, 5, eaax3905. | 10.3 | 18 |
| 21 | Mesoscopic Adaptive Resolution Scheme toward Understanding of Interactions between Sickle Cell Fibers. Biophysical Journal, 2017, 113, 48-59. | 0.5 | 16 |
| 22 | Synergistic Integration of Laboratory and Numerical Approaches in Studies of the Biomechanics of Diseased Red Blood Cells. Biosensors, 2018, 8, 76. | 4.7 | 16 |
| 23 | Multiphysics and multiscale modeling of microthrombosis in COVID-19. PLoS Computational Biology, 2022, 18, e1009892. | 3.2 | 15 |
| 24 | Computational investigation of blood cell transport in retinal microaneurysms. PLoS Computational Biology, 2022, 18, e1009728. | 3.2 | 13 |
| 25 | Computational modeling of biomechanics andÂbiorheology of heated red blood cells. Biophysical Journal, 2021, 120, 4663-4671. | 0.5 | 12 |
| 26 | Understanding the Twisted Structure of Amyloid Fibrils via Molecular Simulations. Journal of Physical Chemistry B, 2018, 122, 11302-11310. | 2.6 | 6 |
| 27 | Recent Advances in Computational Modeling of Biomechanics and Biorheology of Red Blood Cells in Diabetes. Biomimetics, 2022, 7, 15. | 3.3 | 6 |
| 28 | A new technique of laparoscopic para-aortic lymphadenectomy optimizes perioperative outcome. Journal of Gynecologic Oncology, 2021, 32, e2. | 2.2 | 4 |
| 29 | Title is missing!. , 2020, 16, e1007709. |  | 0 |
| 30 | Title is missing!. , 2020, 16, e1007709. |  | 0 |
| 31 | Title is missing!. , 2020, 16, e1007709. |  | 0 |
| 32 | Title is missing!. , 2020, 16, e1007709. |  | 0 |