# Sander Land

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1711587/publications.pdf

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| 25 | 1,142 | 623574 | 580701 |
|---|---|---|---|
| papers | citations | 14 h-index | 25 g-index |

| 25 | 25 | 25 | 1221 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Verification of cardiac tissue electrophysiology simulators using an N -version benchmark. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2011, 369, 4331-4351. | 1.6 | 253 |
| 2 | MED-NODE: A computer-assisted melanoma diagnosis system using non-dermoscopic images. Expert Systems With Applications, 2015, 42, 6578-6585. | 4.4 | 241 |
| 3 | A model of cardiac contraction based on novel measurements of tension development in human cardiomyocytes. Journal of Molecular and Cellular Cardiology, 2017, 106, 68-83. | 0.9 | 94 |
| 4 | The estimation of patient-specific cardiac diastolic functions from clinical measurements. Medical Image Analysis, 2013, 17, 133-146. | 7.0 | 91 |
| 5 | Verification of cardiac mechanics software: benchmark problems and solutions for testing active and passive material behaviour. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2015, 471, 20150641. | 1.0 | 80 |
| 6 | An analysis of deformationâ€dependent electromechanical coupling in the mouse heart. Journal of Physiology, 2012, 590, 4553-4569. | 1.3 | 73 |
| 7 | An automatic service for the personalization of ventricular cardiac meshes. Journal of the Royal Society Interface, 2014, 11, 20131023. | 1.5 | 52 |
| 8 | Efficient Computational Methods for Strongly Coupled Cardiac Electromechanics. IEEE Transactions on Biomedical Engineering, 2012, 59, 1219-1228. | 2.5 | 51 |
| 9 | Influence of atrial contraction dynamics on cardiac function. International Journal for Numerical Methods in Biomedical Engineering, 2018, 34, e2931. | 1.0 | 31 |
| 10 | A Spatially Detailed Model of Isometric Contraction Based on Competitive Binding of Troponin I Explains Cooperative Interactions between Tropomyosin and Crossbridges. PLoS Computational Biology, 2015, 11, e1004376. | 1.5 | 29 |
| 11 | Computational modeling of Takotsubo cardiomyopathy: effect of spatially varying Î²-adrenergic stimulation in the rat left ventricle. American Journal of Physiology - Heart and Circulatory Physiology, 2014, 307, H1487-H1496. | 1.5 | 24 |
| 12 | Quality Metrics for High Order Meshes: Analysis of the Mechanical Simulation of the Heart Beat. IEEE Transactions on Medical Imaging, 2013, 32, 130-138. | 5.4 | 20 |
| 13 | Beta-Adrenergic Stimulation Maintains Cardiac Function in Serca2 Knockout Mice. Biophysical Journal, 2013, 104, 1349-1356. | 0.2 | 17 |
| 14 | Improving the Stability of Cardiac Mechanical Simulations. IEEE Transactions on Biomedical Engineering, 2015, 62, 939-947. | 2.5 | 15 |
| 15 | An Automatic Data Assimilation Framework for Patient-Specific Myocardial Mechanical Parameter Estimation. Lecture Notes in Computer Science, 2011, , 392-400. | 1.0 | 14 |
| 16 | A computational pipeline for quantification of mouse myocardial stiffness parameters. Computers in Biology and Medicine, 2014, 53, 65-75. | 3.9 | 13 |
| 17 | Quantifying interâ€species differences in contractile function through biophysical modelling. Journal of Physiology, 2015, 593, 1083-1111. | 1.3 | 11 |
| 18 | Integrating multi-scale data to create a virtual physiological mouse heart. Interface Focus, 2013, 3, 20120076. | 1.5 | 10 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Balance of Active, Passive, and Anatomical Cardiac Properties in Doxorubicin-Induced Heart Failure. Biophysical Journal, 2019, 117, 2337-2348. | 0.2 | 6 |
| 20 | Insight into model mechanisms through automatic parameter fitting: a new methodological framework for model development. BMC Systems Biology, 2014, 8, 59. | 3.0 | 4 |
| 21 | Decreasing Compensatory Ability of Concentric Ventricular Hypertrophy in Aortic-Banded Rat Hearts. Frontiers in Physiology, 2018, 9, 37. | 1.3 | 4 |
| 22 | A Comparison of Spatial Pattern Spectra. Lecture Notes in Computer Science, 2009, , 92-103. | 1.0 | 4 |
| 23 | Towards causally cohesive genotypeâ€“phenotype modelling for characterization of the soft-tissue mechanics of the heart in normal and pathological geometries. Journal of the Royal Society Interface, 2015, 12, 20141166. | 1.5 | 2 |
| 24 | Estimation of Diastolic Biomarkers: Sensitiviy to Fibre Orientation. Lecture Notes in Computer Science, 2015, , 105-113. | 1.0 | 2 |
| 25 | Strange bedfellows: biologists and mathematical modelers tie the knot on cardiomyocyte calcium homeostasis. Drug Discovery Today: Disease Models, 2014, 14, 11-16. | 1.2 | 1 |