

#### **Adaptive algorithms for heart rate reconstruction**

**Hinrikus, Hiie; Meigas, Kalju;** Kaik, Jüri; **Lass, Jaanus** Proceedings of the First Joint BMES/EMBS Conference : Serving Humanity Advancing Technology, Oct. 13-16, 99, Atlanta, GA, USA 1999 / p. 320

#### **Cardiomyocytes from female compared to male mice have larger ryanodine receptor clusters and higher calcium spark frequency**

**Laasmaa, Martin; Branovets, Jelena; Stolina, Jekaterina;** Shen, Xin; **Rätsepso, Triinu; Balodis, Mihkel Jaan; Grahv, Cärolin; Hendrikson, Eliise;** Louch, William Edward; **Birkedal Nielsen, Rikke; Vendelin, Marko** Journal of Physiology 2023 / p. 4033-4052 : ill <https://doi.org/10.1113/JP284515> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Cross-bridge group ensembles describing cooperativity in thermodynamically consistent way**

**Kalda, Mari; Peterson, Pearu; Vendelin, Marko** PLoS ONE 2015 / p. 1-26 : ill <https://doi.org/10.1371/journal.pone.0137438> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Cross-bridge group ensembles describing cooperativity in thermodynamically consistent way**

**Kalda, Mari; Peterson, Pearu; Vendelin, Marko** Biophysical journal 2016 / p. 463a <https://doi.org/10.1016/j.bpj.2015.11.2481>

#### **Decomposing of cardiac and respiratory signals from electrical bio-impedance data using filtering method**

**Mughal, Yar M.** The International Conference on Health Informatics : ICHI 2013, Vilamoura, Portugal on 7-9 November, 2013 2014 / p. 252-255 : ill [https://doi.org/10.1007/978-3-319-03005-0\\_64](https://doi.org/10.1007/978-3-319-03005-0_64) [Conference proceedings at Scopus](#) [Article at Scopus](#)

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#### **Mechanoenergetics of a single cardiomyocyte = Ühe südameraku mehaanoenergeetika**

**Kalda, Mari** 2015 [https://www.ester.ee/record=b4525654\\*est](https://www.ester.ee/record=b4525654*est)

#### **Model based method for adaptive decomposition of the thoracic bio-impedance variations into cardiac and respiratory components = Mudelipõhine meetod torso bioimpedantsi muutuste adaptiivseks dekompositsiooniks südame tegevuse ja hingamise komponentideks**

**Krivošei, Andrei** 2009 [https://www.ester.ee/record=b2508758\\*est](https://www.ester.ee/record=b2508758*est)

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**Branovets, Jelena; Soodla, Kärol; Vendelin, Marko; Birkedal Nielsen, Rikke** PLoS ONE 2023 / art. e0294718 <https://doi.org/10.1371/journal.pone.0294718> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

#### **Sensitivity analysis of flux determination in heart by H(2) (18)O-provided labeling using a dynamic isotopologue model of energy transfer pathways**

**Schryer, David; Peterson, Pearu; Illaste, Ardo; Vendelin, Marko** PLoS computational biology 2012 / p. e1002795, 1-15 : ill <https://pmc.ncbi.nlm.nih.gov/articles/PMC3516558/>

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**The effect of static magnetic field on heart rate variability - an experimental study**

**Koppel, Tarmo**; Vilcane, Inese; Carlberg, Michael; **Tint, Piia** Agronomy research 2015 / p. 765-774 : ill

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**Wearable solutions for monitoring cardiorespiratory activity = Kehal kantavad vahendid kardiorespiratoorse aktiivsuse jälgimiseks**

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