

Publications

Primary Author:

2015

- Jun.W. Kow, M.I. Awad, A. A. Dehghani-Sanij, **Towards Self-Tuning Lower Limb Prosthesis**, University of Leeds- IMBE 2015, MEIBioEng15 Conference, Sept 2015.

2018

- Kow J; Culmer P; Alazmani A. (2018) **Thin Soft layered Actuator Based on a Novel Fabrication Technique**. - IEEE RAS RoboSoft'18.
<https://ieeexplore.ieee.org/abstract/document/8404916>

Contributions:

2016

- Wang H; De Boer G; Kow J; Ghajari M; Alazmani A; Hewson R; Culmer P (2016) **Design Methodology for Magnetic Field-Based Soft Tri-Axis Tactile Sensors**. *Sensors*. 2016, 16(9), p.1356. <http://www.mdpi.com/1424-8220/16/9/1356>
- Wang H; De Boer G; Kow J; Ghajari M; Alazmani A; Hewson R; Culmer P (2016) **A Low-cost Soft Tactile Sensing Array Using 3D Hall Sensors**. *Procedia Engineering*, pp. 650-653.
<http://www.sciencedirect.com/science/article/pii/S1877705816335500?via%3Dihub>

2017

- Boer, G.; Raske, N.; Wang, H.; Kow, J.; Alazmani, A.; Ghajari, M.; Culmer, P.; Hewson, R. (2017) **Design Optimisation of a Magnetic Field Based Soft Tactile Sensor**. *Sensors* 2017, 17, 2539. <http://www.mdpi.com/1424-8220/17/11/2539>
- Azim S; Srinivasan A; Pandaram M; Kow J; de Boer G; Wang H; Alazmani A; Culmer P (2017) **Soft Tactile Sensors with Variable Compliance**. In: 2017 IEEE SENSORS, Oct. 29 2017-Nov. 1 2017, 2017, pp.1-3.
<http://ieeexplore.ieee.org/document/8234097/>
- Wang H; Kow J; Raske N; de Boer G; Ghajari M; Hewson R; Alazmani A; Culmer P (2017) **A Low-cost Soft Tactile Sensor Based on Eddy-Current Effect**. In: 2017 IEEE SENSORS, Oct. 29 2017-Nov. 1 2017, 2017, pp.1-3.
<http://ieeexplore.ieee.org/document/8234098/>

2018

- Wang, H, Kow J, Raske N, de Boer G, Ghajari M, Alazmani A, Culmer P. **Robust and high-performance soft inductive tactile sensors based on the Eddy-current effect.** Sensors and Actuators A: Physical. 2018, 271, pp.44-52.
<http://www.sciencedirect.com/science/article/pii/S0924424717317855>
- Mehran Moazen, Ali Alazmani, J Kow and Erwin Pauws. (2018) **Calvarial bone loading as a treatment for craniosynostosis**
- Wang H, Jones D, de Boer G, Kow J, Beccai L, Alazmani A, Culmer P. (2018) **Design and Characterisation of Tri-axis Soft Inductive Tactile Sensors** - Extended from Sensors'17 into Journal
<https://ieeexplore.ieee.org/document/8374831/>
- Jones D; Kow J; Alazmani A; Culmer P. (2018) **Computational Design Tools for Soft Inductive Tactile Sensors** - Biorob2018, 26-29 Aug 2018, Enschede, Netherlands. IEEE , pp. 871-876.
<https://ieeexplore.ieee.org/document/8487666>

2021

- Zhang X, Kow J, Jones D, de Boer G, Ghanbari A, Serjouei A, Culmer P, Alazmani A, (2021) **Adjustable Compliance Soft Sensor via an Elastically Inflatable Fluidic Dome** – Sensors 2021, 21(6), 1970, <https://www.mdpi.com/1424-8220/21/6/1970>