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Employment

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22 Jun 2015 → present

Fiber Sensors & Supercontinuum

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Research outputs

Investigation of Performance Parameters of Spherical Gold Nanoparticles in Localized Surface Plasmon Resonance Biosensing

Semwal, V., Jensen, O. R., Bang, O. & Janting, J., 2023, In: *Micromachines*. 14, 9, 13 p., 1717.

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Study on Cortisol Sensing Principle Based on Fluorophore and Aptamer Competitive Assay on Polymer Optical Fiber

Semwal, V., Højgaard, J., Møller, E., Bang, O. & Janting, J., 2023, In: *Photonics*. 10, 7, 10 p.

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Fluorescence based Polymer Optical Fiber Cortisol Sensor for Aquaculture

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Effects of Solvent Etching on PMMA Microstructured Optical Fiber Bragg Grating

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Lad vand og data strømme

Mikkelsen, P. S., Arnbjerg-Nielsen, K., Bjerg, P. L., Bauer-Gottwein, P., Albrechtsen, H.-J., Andersen, H. R., Vezzaro, L., Borup, M., Hansen, L. T., Drews, M., Mølhøve, K., Gernaey, K. V., Stedmon, C., Mariani, P., Ramousse, S., Jensen, L. B., Madsen, H., Christiansen, L. E., Christensen, E. D., Jepsen, P. U., & 9 others Janting, J., Ruepp, S. R., Pedersen, C., Poulsen, L. B., Overgaard Jensen, T., Brückner, L., Molzen, J. E., Andersen, M. & Odgaard, M. H., 2019, Kgs. Lyngby: Danmarks Tekniske Universitet (DTU). 71 p.

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Small and Robust All-Polymer Fiber Bragg Grating based pH Sensor

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Hu, X., Woyessa, G., Kinet, D., Janting, J., Nielsen, K., Bang, O. & Caucheteur, C., 2017, In: *Optics Letters*. 42, 11, p. 2209-2212

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Direct media exposure of MEMS multi-sensor systems using a potted-tube packaging concept

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Müllenborn, M., Rombach, P., Klein, U., Rasmussen, K., Kuhnmann, J. F., Heschel, M., Amskov Gravad, M., Janting, J., Branbjerg, J., Hoogerwerf, A. & Bouwstra, S., 2001, In: *Sensors and Actuators A: Physical*. A92, 1-3, p. 23-29

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Müllenborn, M., Rombach, P., Klein, U., Rasmussen, K., Kuhnmann, J., Heschel, M., Bouwstra, S., Amskov, M., Janting, J. & Hoogerwerf, A., 2000, *EUROSENSORS XIV. Proceedings of the 14. European Conference on Solid-State Transducers*. p. 209-212

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Activities

Bachelor project

Jakob Janting (Main supervisor), Rune Inglev (Supervisor), Ole Bang (Supervisor) & Emil Møller (Supervisor)
4 Mar 2019 → 4 Aug 2019

Projects

GeoZense

Janting, J.

01/01/2021 → 30/09/2023

Polymer Optical Fiber Bragg Gratings for high sensitivity distributed biochemical sensors

Inglev, R., Kalli, K., Webb, D. J., Bang, O., Janting, J., Nielsen, K. & Lindvold, L. R.

Samfinansieret - Andet

01/09/2017 → 02/12/2020