

- Wang, M., Kong, W., Marten, R., He, X. C., Chen, D., Pfeifer, J., ... Donahue, N. M. (2020). Rapid growth of new atmospheric particles by nitric acid and ammonia condensation. *Nature*, *581*(7807), 184-189. <https://doi.org/10.1038/s41586-020-2270-4>
- Shahsavan, H., Aghakhani, A., Zeng, H., Guo, Y., Davidson, Z. S., Priimägi, A., & Sitti, M. (2020). Bioinspired underwater locomotion of light-driven liquid crystal gels. *Proceedings of the National Academy of Sciences of the United States of America*, *117*(10), 5125-5133. <https://doi.org/10.1073/pnas.1917952117>
- Wilmes, S., Hafer, M., Vuorio, J., Tucker, J. A., Winkelmann, H., Löchte, S., ... Piehler, J. (2020). Mechanism of homodimeric cytokine receptor activation and dysregulation by oncogenic mutations. *Science*, *367*(6478), 643-652. <https://doi.org/10.1126/science.aaw3242>
- Valtonen, O., Ormiskangas, J., Kivekäs, I., Rantanen, V., Dean, M., Poe, D., ... Rautiainen, M. (2020). Three-Dimensional Printing of the Nasal Cavities for Clinical Experiments. *Scientific Reports*, *10*, [502]. <https://doi.org/10.1038/s41598-020-57537-2>
- Airaksinen, M., Räsänen, O., Ilén, E., Häyrynen, T., Kivi, A., Marchi, V., ... Vanhatalo, S. (2020). Automatic Posture and Movement Tracking of Infants with Wearable Movement Sensors. *Scientific Reports*, *10*(1), [169]. <https://doi.org/10.1038/s41598-019-56862-5>
- Yang, Z., Dehmer, M., Yli-Harja, O., & Emmert-Streib, F. (2020). Combining deep learning with token selection for patient phenotyping from electronic health records. *Scientific Reports*, *10*(1), [1432]. <https://doi.org/10.1038/s41598-020-58178-1>
- Salmela, L., Lapre, C., Dudley, J. M., & Genty, G. (2020). Machine learning analysis of rogue solitons in supercontinuum generation. *Scientific Reports*, *10*, [9596]. <https://doi.org/10.1038/s41598-020-66308-y>
- Virta, J., Hannula, M., Tamminen, I., Lindfors, K., Kaukinen, K., Popp, A., ... Kurppa, K. (2020). X-ray microtomography is a novel method for accurate evaluation of small-bowel mucosal morphology and surface area. *Scientific Reports*, *10*(1), [13164]. <https://doi.org/10.1038/s41598-020-69487-w>
- Di Vito, D., Mosallaei, M., Khorramdel, B., Kanerva, M., & Mäntysalo, M. (2020). Mechanically driven strategies to improve electromechanical behaviour of printed stretchable electronic systems. *Scientific Reports*, *10*(1), [12037]. <https://doi.org/10.1038/s41598-020-68871-w>
- Juutinen, M., Wang, C., Zhu, J., Haladjian, J., Ruokolainen, J., Puustinen, J., & Vehkaoja, A. (2020). Parkinson's disease detection from 20-step walking tests using inertial sensors of a smartphone: Machine learning approach based on an observational case-control study. *PLoS ONE*, *15*(7), [e0236258]. <https://doi.org/10.1371/journal.pone.0236258>
- Molkkari, M., Angelotti, G., Emig, T., & Räsänen, E. (2020). Dynamical heart beat correlations during running. *Scientific Reports*, *10*(1), [13627]. <https://doi.org/10.1038/s41598-020-70358-7>
- Kangas, P., Tikkakoski, A., Kettunen, J., Eräranta, A., Huhtala, H., Kähönen, M., ... Pörsti, I. (2019). Changes in hemodynamics associated with metabolic syndrome are more pronounced in women than in men. *Scientific Reports*, *9*(1), [18377]. <https://doi.org/10.1038/s41598-019-54926-0>
- Islam, M. S., Ivanov, S., Robson, E., Dooley-Cullinane, T., Coffey, L., Doolin, K., & Balasubramaniam, S. (2019). Genetic similarity of biological samples to counter bio-hacking of DNA-sequencing functionality. *Scientific Reports*, *9*(1), [8684]. <https://doi.org/10.1038/s41598-019-44995-6>
- Caetano dos Santos, F. L., Michalek, I. M., Laurila, K., Kaukinen, K., Hyttinen, J., & Lindfors, K. (2019). Automatic classification of IgA endomysial antibody test for celiac disease: a new method deploying machine learning. *Scientific Reports*, *9*(1), [9217]. <https://doi.org/10.1038/s41598-019-45679-x>

- Tiulpin, A., Klein, S., Bierma-Zeinstra, S. M. A., Thevenot, J., Rahtu, E., Meurs, J. V., ... Saarakkala, S. (2019). Multimodal Machine Learning-based Knee Osteoarthritis Progression Prediction from Plain Radiographs and Clinical Data. *Scientific Reports*, 9(1), [20038]. <https://doi.org/10.1038/s41598-019-56527-3>
- Bainschab, M., Martikainen, S., Keskinen, J., Bergmann, A., & Karjalainen, P. (2019). Aerosol gas exchange system (AGES) for nanoparticle sampling at elevated temperatures: Modeling and experimental characterization. *Scientific Reports*, 9(1), [17149]. <https://doi.org/10.1038/s41598-019-53113-5>
- Frankberg, E. J., Kalikka, J., Ferré, F. G., Joly-Pottuz, L., Salminen, T., Hintikka, J., ... Masenelli-Varlot, K. (2019). Highly ductile amorphous oxide at room temperature and high strain rate. *Science*, 366(6467), 864-869. <https://doi.org/10.1126/science.aav1254>
- Allahham, MHD. S., Al-Sa'd, M. F., Al-Ali, A., Mohamed, A., Khattab, T., & Erbad, A. (2019). DroneRF dataset: A dataset of drones for RF-based detection, classification and identification. *Data in Brief*, 26, [104313]. <https://doi.org/10.1016/j.dib.2019.104313>
- Kanerva, M., Besharat, Z., Pärnänen, T., Jokinen, J., Honkanen, M., Sarlin, E., ... Schlenzka, D. (2019). Automatization and stress analysis data of CoCr laser weld fatigue tests. *Data in Brief*, 26, [104374]. <https://doi.org/10.1016/j.dib.2019.104374>
- Railanmaa, A., Lehtimäki, S., Keskinen, J., & Lupo, D. (2019). Non-toxic printed supercapacitors operating in sub-zero conditions. *Scientific Reports*, 9(1), [14059]. <https://doi.org/10.1038/s41598-019-50570-w>
- Lapre, C., Billet, C., Meng, F., Ryczkowski, P., Sylvestre, T., Finot, C., ... Dudley, J. M. (2019). Real-time characterization of spectral instabilities in a mode-locked fibre laser exhibiting soliton-similariton dynamics. *Scientific Reports*, 9(1). <https://doi.org/10.1038/s41598-019-50022-5>
- Koskela, O., Montonen, T., Belay, B., Figueiras, E., Pursiainen, S., & Hyttinen, J. (2019). Gaussian Light Model in Brightfield Optical Projection Tomography. *Scientific Reports*, 9(1). <https://doi.org/10.1038/s41598-019-50469-6>
- Kim, J., Shah, D., Potapov, I., Latukka, J., Aalto-Setälä, K., & Räsänen, E. (2019). Scaling and correlation properties of RR and QT intervals at the cellular level. *Scientific Reports*, 9(1), [3651]. <https://doi.org/10.1038/s41598-019-40247-9>
- Lehtipalo, K., Yan, C., Dada, L., Bianchi, F., Xiao, M., Wagner, R., ... Virtanen, A. (2018). Multicomponent new particle formation from sulfuric acid, ammonia, and biogenic vapors. *Science Advances*, 4(12), [eaau5363]. <https://doi.org/10.1126/sciadv.aau5363>
- Tiulpin, A., Thevenot, J., Rahtu, E., Lehenkari, P., & Saarakkala, S. (2018). Automatic knee osteoarthritis diagnosis from plain radiographs: A deep learning-based approach. *Scientific Reports*, 8(1), [1727]. <https://doi.org/10.1038/s41598-018-20132-7>
- Erasmus, E. P., Sule, R., Johnson, O. T., Massera, J., & Sigalas, I. (2018). In vitro Evaluation of Porous borosilicate, borophosphate and phosphate Bioactive Glasses Scaffolds fabricated using Foaming Agent for Bone Regeneration. *Scientific Reports*, 8(1), [3699]. <https://doi.org/10.1038/s41598-018-22032-2>
- Soltani, A., Lahti, J., Järvelä, K., Curtze, S., Laurikka, J., Hokka, M., & Kuokkala, V. T. (2018). An Optical Method for the In-Vivo Characterization of the Biomechanical Response of the Right Ventricle. *Scientific Reports*, 8(1), [6831]. <https://doi.org/10.1038/s41598-018-25223-z>
- Baltakys, K., Kanninen, J., & Emmert-Streib, F. (2018). Multilayer Aggregation with Statistical Validation: Application to Investor Networks. *Scientific Reports*, 8(1), [8198]. <https://doi.org/10.1038/s41598-018-26575-2>
- Rashed, A. R., Gudulluoglu, B., Yun, H. W., Habib, M., Boyaci, I. H., Hong, S. H., ... Caglayan, H. (2018). Highly-Sensitive Refractive Index Sensing by Near-infrared Metatronic Nanocircuits. *Scientific Reports*, 8(1), [11457]. <https://doi.org/10.1038/s41598-018-29623-z>

Mobarak, E., Håversen, L., Manna, M., Rutberg, M., Levin, M., Perkins, R., ... Borén, J. (2018). Glucosylceramide modifies the LPS-induced inflammatory response in macrophages and the orientation of the LPS/TLR4 complex in silico. *Scientific Reports*, 8(1), [13600]. <https://doi.org/10.1038/s41598-018-31926-0>

Potapov, I., Latukka, J., Kim, J., Luukko, P., Aalto-Setälä, K., & Räsänen, E. (2018). Information transfer in QT-RR dynamics: Application to QT-correction. *Scientific Reports*, 8(1), [14992]. <https://doi.org/10.1038/s41598-018-33359-1>

Prajapat, M. K., & Ribeiro, A. S. (2018). Added value of autoregulation and multi-step kinetics of transcription initiation. *Royal Society Open Science*, 5(11), [181170]. <https://doi.org/10.1098/rsos.181170>

Warnau, J., Sharma, V., Gamiz-Hernandez, A. P., Luca, A. D., Haapanen, O., Vattulainen, I., ... Kaila, V. R. I. (2018). Redox-coupled quinone dynamics in the respiratory complex I. *Proceedings of the National Academy of Sciences of the United States of America*, 115(36), E8413-E8420. <https://doi.org/10.1073/pnas.1805468115>

Keinänen, P., Siljander, S., Koivula, M., Sethi, J., Sarlin, E., Vuorinen, J., & Kanerva, M. (2018). Optimized dispersion quality of aqueous carbon nanotube colloids as a function of sonochemical yield and surfactant/CNT ratio. *Heliyon*, 4(9), [e00787]. <https://doi.org/10.1016/j.heliyon.2018.e00787>

Sartoneva, R., Kuismanen, K., Juntunen, M., Karjalainen, S., Hannula, M., Kyllönen, L., ... Miettinen, S. (2018). Porous poly-L-lactide-co-1-caprolactone scaffold: A novel biomaterial for vaginal tissue engineering. *Royal Society Open Science*, 5(8), [180811]. <https://doi.org/10.1098/rsos.180811>

Virkki, K., Tervola, E., Ince, M., Torres, T., & Tkachenko, N. V. (2018). Comparison of electron injection and recombination on TiO<sub>2</sub> nanoparticles and ZnO nanorods photosensitized by phthalocyanine. *Royal Society Open Science*, 5(7), [180323]. <https://doi.org/10.1098/rsos.180323>

Tomberg, T., Vainio, M., Hieta, T., & Halonen, L. (2018). Sub-parts-per-trillion level sensitivity in trace gas detection by cantilever-enhanced photo-acoustic spectroscopy. *Scientific Reports*, 8(1), [1848]. <https://doi.org/10.1038/s41598-018-20087-9>

Narra, N., Abe, S., Dimitrov, V., Nikander, R., Kouhia, R., Sievänen, H., & Hyttinen, J. (2018). Ricci-flow based conformal mapping of the proximal femur to identify exercise loading effects. *Scientific Reports*, 8(1), [4823]. <https://doi.org/10.1038/s41598-018-23248-y>

Erasmus, E. P., Johnson, O. T., Sigalas, I., & Massera, J. (2017). Effects of Sintering Temperature on Crystallization and Fabrication of Porous Bioactive Glass Scaffolds for Bone Regeneration. *Scientific Reports*, 7(1), [6046]. <https://doi.org/10.1038/s41598-017-06337-2>

Aho, V., Myllys, M., Ruokolainen, V., Hakanen, S., Mäntylä, E., Virtanen, J., ... Vihinen-Ranta, M. (2017). Chromatin organization regulates viral egress dynamics. *Scientific Reports*, 7(1), [3692]. <https://doi.org/10.1038/s41598-017-03630-y>

Ruskamo, S., Nieminen, T., Kristiansen, C. K., Vatne, G. H., Baumann, A., Hallin, E. I., ... Kursula, P. (2017). Molecular mechanisms of Charcot-Marie-Tooth neuropathy linked to mutations in human myelin protein P2. *Scientific Reports*, 7(1), [6510]. <https://doi.org/10.1038/s41598-017-06781-0>

Fang, Y., Akbari, M., Sydänheimo, L., Ukkonen, L., & Tentzeris, M. M. (2017). Sensitivity enhancement of flexible gas sensors via conversion of inkjet-printed silver electrodes into porous gold counterparts. *Scientific Reports*, 7(1), [8988]. <https://doi.org/10.1038/s41598-017-09174-5>

Kiranyaz, S., Ince, T., & Gabbouj, M. (2017). Personalized Monitoring and Advance Warning System for Cardiac Arrhythmias. *Scientific Reports*, 7(1), [9270]. <https://doi.org/10.1038/s41598-017-09544-z>

Mäkelä, J., Kandavalli, V., & Ribeiro, A. S. (2017). Rate-limiting steps in transcription dictate sensitivity to variability in cellular components. *Scientific Reports*, 7(1), [10588]. <https://doi.org/10.1038/s41598-017-11257-2>

Laudyn, U. A., Kwaśny, M., Sala, F. A., Karpierz, M. A., Smyth, N. F., & Assanto, G. (2017). Curved optical solitons subject to transverse acceleration in reorientational soft matter. *Scientific Reports*, 7(1), [12385]. <https://doi.org/10.1038/s41598-017-12242-5>

Senju, Y., Kalimeri, M., Koskela, E. V., Somerharju, P., Zhao, H., Vattulainen, I., & Lappalainen, P. (2017). Mechanistic principles underlying regulation of the actin cytoskeleton by phosphoinositides. *Proceedings of the National Academy of Sciences of the United States of America*, 114(43), E8977-E8986. <https://doi.org/10.1073/pnas.1705032114>

Rönkkö, T., Kuuluvainen, H., Karjalainen, P., Keskinen, J., Hillamo, R., Niemi, J. V., ... Dal Maso, M. (2017). Traffic is a major source of atmospheric nanocluster aerosol. *Proceedings of the National Academy of Sciences of the United States of America*, 114(29), 7549-7554. <https://doi.org/10.1073/pnas.1700830114>

Valkonen, M., Ruusuvoori, P., Kartasalo, K., Nykter, M., Visakorpi, T., & Latonen, L. (2017). Analysis of spatial heterogeneity in normal epithelium and preneoplastic alterations in mouse prostate tumor models. *Scientific Reports*, 7, [44831]. <https://doi.org/10.1038/srep44831>

Rissanen, J., Korobko, D. A., Zolotovskiy, I. O., Melkumov, M., Khopin, V. F., & Gumenyuk, R. (2017). Infiltrated bunch of solitons in Bi-doped frequency-shifted feedback fibre laser operated at 1450 nm. *Scientific Reports*, 7, [44194]. <https://doi.org/10.1038/srep44194>

Du, J., Harra, J., Virkki, M., Mäkelä, J. M., Leng, Y., Kauranen, M., & Kobayashi, T. (2016). Surface-Enhanced Impulsive Coherent Vibrational Spectroscopy. *Scientific Reports*, 6, [36471]. <https://doi.org/10.1038/srep36471>

Ropo, M., Blum, V., & Baldauf, C. (2016). Trends for isolated amino acids and dipeptides: Conformation, divalent ion binding, and remarkable similarity of binding to calcium and lead. *Scientific Reports*, 6, [35772]. <https://doi.org/10.1038/srep35772>

Postila, P. A., Kaszuba, K., Kuleta, P., Vattulainen, I., Sarewicz, M., Osyczka, A., & Róg, T. (2016). Atomistic determinants of co-enzyme Q reduction at the Q<sub>1</sub>-site of the cytochrome bc<sub>1</sub> complex. *Scientific Reports*, 6, [33607]. <https://doi.org/10.1038/srep33607>

Jääskeläinen, I. P., Pajula, J., Tohka, J., Lee, H. J., Kuo, W. J., & Lin, F. H. (2016). Brain hemodynamic activity during viewing and re-viewing of comedy movies explained by experienced humor. *Scientific Reports*, 6, [27741]. <https://doi.org/10.1038/srep27741>

Faggiani, R., Baron, A., Zang, X., Lalouat, L., Schulz, S. A., O'Regan, B., ... Lalanne, P. (2016). Lower bound for the spatial extent of localized modes in photonic-crystal waveguides with small random imperfections. *Scientific Reports*, 6, [27037]. <https://doi.org/10.1038/srep27037>

Noronen, T., Firstov, S., Dianov, E., & Okhotnikov, O. G. (2016). 1700 nm dispersion managed mode-locked bismuth fiber laser. *Scientific Reports*, 6, [24876]. <https://doi.org/10.1038/srep24876>

Wiklund, P., Zhang, X., Pekkala, S., Autio, R., Kong, L., Yang, Y., ... Cheng, S. (2016). Insulin resistance is associated with altered amino acid metabolism and adipose tissue dysfunction in normoglycemic women. *Scientific Reports*, 6, [24540]. <https://doi.org/10.1038/srep24540>

Curtze, S. C., Kratz, M., Steinert, M., & Vogt, S. (2016). Step down Vascular Calcification Analysis using State-of-the-Art Nanoanalysis Techniques. *Scientific Reports*, 6, [23285]. <https://doi.org/10.1038/srep23285>

- Laudyn, U. A., Jung, P. S., Karpierz, M. A., & Assanto, G. (2016). Quasi two-dimensional astigmatic solitons in soft chiral metastructures. *Scientific Reports*, 6, [22923]. <https://doi.org/10.1038/srep22923>
- Tuukkanen, S., Välimäki, M., Lehtimäki, S., Vuorinen, T., & Lupo, D. (2016). Behaviour of one-step spray-coated carbon nanotube supercapacitor in ambient light harvester circuit with printed organic solar cell and electrochromic display. *Scientific Reports*, 6, [22967]. <https://doi.org/10.1038/srep22967>
- Astola, H., & Tabus, I. (2016). On the linear programming bound for linear Lee codes. *SpringerPlus*, 5(1), 1-13. [246]. <https://doi.org/10.1186/s40064-016-1863-8>
- Sand, J., Ihantola, S., Peräjärvi, K., Toivonen, H., & Toivonen, J. (2016). Optical detection of radon decay in air. *Scientific Reports*, 6, [21532]. <https://doi.org/10.1038/srep21532>
- Godec, A., & Metzler, R. (2016). First passage time distribution in heterogeneity controlled kinetics: Going beyond the mean first passage time. *Scientific Reports*, 6, [20349]. <https://doi.org/10.1038/srep20349>
- Guixà-González, R., Javanainen, M., Gómez-Soler, M., Cordobilla, B., Domingo, J. C., Sanz, F., ... Selent, J. (2016). Membrane omega-3 fatty acids modulate the oligomerisation kinetics of adenosine A<sub>2A</sub> and dopamine D<sub>2</sub> receptors. *Scientific Reports*, 6, [19839]. <https://doi.org/10.1038/srep19839>
- Postila, P. A., Vattulainen, I., & Róg, T. (2016). Selective effect of cell membrane on synaptic neurotransmission. *Scientific Reports*, 6, [19345]. <https://doi.org/10.1038/srep19345>
- Larjo, A., & Lähdesmäki, H. (2015). Using multi-step proposal distribution for improved MCMC convergence in Bayesian network structure learning. *Eurasip Journal on Bioinformatics and Systems Biology*, 2015(1), [6]. <https://doi.org/10.1186/s13637-015-0024-7>
- Pulkkinen, O., & Metzler, R. (2015). Variance-corrected Michaelis-Menten equation predicts transient rates of single-enzyme reactions and response times in bacterial gene-regulation. *Scientific Reports*, 5, [17820]. <https://doi.org/10.1038/srep17820>
- Pessi, T., Viiri, L. E., Raitoharju, E., Astola, N., Seppälä, I., Waldenberger, M., ... Monaco, C. (2015). Interleukin-6 and microRNA profiles induced by oral bacteria in human atheroma derived and healthy smooth muscle cells. *SpringerPlus*, 4(1). <https://doi.org/10.1186/s40064-015-0993-8>
- Honkela, A., Peltonen, J., Topa, H., Charapitsa, I., Matarese, F., Grote, K., ... Rattray, M. (2015). Genome-wide modeling of transcription kinetics reveals patterns of RNA production delays. *Proceedings of the National Academy of Sciences of the United States of America*, 112(42), 13115-13120. <https://doi.org/10.1073/pnas.1420404112>
- Mikhailova, A., Jylhä, A., Rieck, J., Nättinen, J., Ilmarinen, T., Veréb, Z., ... Skottman, H. (2015). Comparative proteomics reveals human pluripotent stem cell-derived limbal epithelial stem cells are similar to native ocular surface epithelial cells. *Scientific Reports*, 5, [14684]. <https://doi.org/10.1038/srep14684>
- Sharma, V., Belevich, G., Gamiz-Hernandez, A. P., Róg, T., Vattulainen, I., Verkhovskaya, M. L., ... Kaila, V. R. I. (2015). Redox-induced activation of the proton pump in the respiratory complex I. *Proceedings of the National Academy of Sciences of the United States of America*, 112(37), 11571-11576. <https://doi.org/10.1073/pnas.1503761112>
- Sariola, V., Pena-Francesch, A., Jung, H., Çetinkaya, M., Pacheco, C., Sitti, M., & Demirel, M. C. (2015). Segmented molecular design of self-healing proteinaceous materials. *Scientific Reports*, 5, [13482]. <https://doi.org/10.1038/srep13482>
- Rasappa, S., Ghoshal, T., Borah, D., Senthamaraiannan, R., Holmes, J. D., & Morris, M. A. (2015). A Highly Efficient Sensor Platform Using Simply Manufactured Nanodot Patterned Substrates. *Scientific Reports*, 5, [13270]. <https://doi.org/10.1038/srep13270>

- Lukovic, D., Castro, A. A., Delgado, A. B. G., Bernal, M. D. L. A. M., Pelaez, N. L., Lloret, A. D., ... Bhattacharya, S. S. (2015). Human iPSC derived disease model of MERTK-associated retinitis pigmentosa. *Scientific Reports*, 5, [12910]. <https://doi.org/10.1038/srep12910>
- Mathis, A., Froehly, L., Toenger, S., Dias, F., Genty, G., & Dudley, J. M. (2015). Caustics and rogue waves in an optical sea. *Scientific Reports*, 5, [12822]. <https://doi.org/10.1038/srep12822>
- Bauer, M., Rasmussen, E. S., Lomholt, M. A., & Metzler, R. (2015). Real sequence effects on the search dynamics of transcription factors on DNA. *Scientific Reports*, 5, [10072]. <https://doi.org/10.1038/srep10072>
- Reverey, J. F., Jeon, J-H., Bao, H., Leippe, M., Metzler, R., & Selhuber-Unkel, C. (2015). Superdiffusion dominates intracellular particle motion in the supercrowded cytoplasm of pathogenic *Acanthamoeba castellanii*. *Scientific Reports*, 5, [11690]. <https://doi.org/10.1038/srep11690>
- Toenger, S., Godin, T., Billet, C., Dias, F., Erkintalo, M., Genty, G., & Dudley, J. M. (2015). Emergent rogue wave structures and statistics in spontaneous modulation instability. *Scientific Reports*, 5, [10380]. <https://doi.org/10.1038/srep10380>
- Gundem, G., Van Loo, P., Kremeyer, B., Alexandrov, L. B., Tubio, J. M. C., Papaemmanuil, E., ... Bova, G. S. (2015). The evolutionary history of lethal metastatic prostate cancer. *Nature*, 520(7547), 353-357. <https://doi.org/10.1038/nature14347>
- Kaszuba, K., Grzybek, M., Orłowski, A., Danne, R., Róg, T., Simons, K., ... Vattulainen, I. (2015). N-Glycosylation as determinant of epidermal growth factor receptor conformation in membranes. *Proceedings of the National Academy of Sciences of the United States of America*, 112(14), 4334-4339. <https://doi.org/10.1073/pnas.1503262112>
- Turner, K. M., Sun, Y., Ji, P., Granberg, K. J., Bernard, B., Hu, L., ... Zhang, W. (2015). Genomically amplified Akt3 activates DNA repair pathway and promotes glioma progression. *Proceedings of the National Academy of Sciences of the United States of America*, 112(11), 3421-3426. <https://doi.org/10.1073/pnas.1414573112>
- Sharma, V., Enkavi, G., Vattulainen, I., Róg, T., & Wikström, M. (2015). Proton-coupled electron transfer and the role of water molecules in proton pumping by cytochrome c oxidase. *Proceedings of the National Academy of Sciences of the United States of America*, 112(7), 2040-2045. <https://doi.org/10.1073/pnas.1409543112>
- Akamatsu, N., Tashiro, W., Saito, K., Mamiya, J. I., Kinoshita, M., Ikeda, T., ... Shishido, A. (2014). Facile strain analysis of largely bending films by a surface-labelled grating method. *Scientific Reports*, 4, [5377]. <https://doi.org/10.1038/srep05377>
- Fan, Y. M., Hernesniemi, J., Oksala, N., Levula, M., Raitoharju, E., Collings, A., ... Lehtimäki, T. (2014). Upstream Transcription Factor 1 (USF1) allelic variants regulate lipoprotein metabolism in women and USF1 expression in atherosclerotic plaque. *Scientific Reports*, 4, [4650]. <https://doi.org/10.1038/srep04650>
- Margvelashvili, A., Zollikofer, C. P. E., Lordkipanidze, D., Peltomäki, T., & De León, M. S. P. (2013). Tooth wear and dentoalveolar remodeling are key factors of morphological variation in the Dmanisi mandibles. *Proceedings of the National Academy of Sciences of the United States of America*, 110(43), 17278-17283. <https://doi.org/10.1073/pnas.1316052110>
- Paci, M., Nanni, L., & Severi, S. (2013). An ensemble of classifiers based on different texture descriptors for texture classification. *Journal of King Saud University - Science*, 25(3), 235-244. <https://doi.org/10.1016/j.jksus.2012.12.001>
- Zhang, T. G., Wang, Y. F., Zang, X. R., Zhuang, W., & Chen, J. B. (2013). Active optical clock based on four-level quantum system. *Chinese Science Bulletin*, 58(17), 2033-2038. <https://doi.org/10.1007/s11434-013-5877-0>
- Li, J., Shaikh, S. A., Enkavi, G., Wen, P. C., Huang, Z., & Tajkhorshid, E. (2013). Transient formation of water-conducting states in membrane transporters. *Proceedings of the National Academy of Sciences of the United States of America*, 110(19), 7696-7701. <https://doi.org/10.1073/pnas.1218986110>

Haider, S., Islam, B., D'Atri, V., Sgobba, M., Poojari, C., Sun, L., ... New, M. I. (2013). Structure-phenotype correlations of human CYP21A2 mutations in congenital adrenal hyperplasia. *Proceedings of the National Academy of Sciences of the United States of America*, *110*(7), 2605-2610. <https://doi.org/10.1073/pnas.1221133110>

Eriksson, U. K., Fischer, G., Friemann, R., Enkavi, G., Tajkhorshid, E., & Neutze, R. (2013). Subangstrom resolution x-ray structure details aquaporin-water interactions. *Science*, *340*(6138), 1346-1349. <https://doi.org/10.1126/science.1234306>

Kalimeri, M., Constantoudis, V., Papadimitriou, C., Karamanos, K., Diakonos, F. K., & Papageorgiou, H. (2012). Entropy analysis of word-length series of natural language texts: Effects of text language and genre. *INTERNATIONAL JOURNAL OF BIFURCATION AND CHAOS*, *22*(9), [1250223]. <https://doi.org/10.1142/S0218127412502239>

Levin, E. J., Cao, Y., Enkavi, G., Quick, M., Pan, Y., Tajkhorshid, E., & Zhou, M. (2012). Structure and permeation mechanism of a mammalian urea transporter. *Proceedings of the National Academy of Sciences of the United States of America*, *109*(28), 11194-11199. <https://doi.org/10.1073/pnas.1207362109>

Emmert-Streib, F., De Matos Simoes, R., Tripathi, S., Glazko, G. V., & Dehmer, M. (2012). A Bayesian analysis of the chromosome architecture of human disorders by integrating reductionist data. *Scientific Reports*, *2*, [513]. <https://doi.org/10.1038/srep00513>

Akola, J., & Jones, R. O. (2017). Speeding up crystallization. *Science*, *358*(6369), 1386. <https://doi.org/10.1126/science.aag0476>

Tubio, J. M. C., Li, Y., Ju, Y. S., Martincorena, I., Cooke, S. L., Tojo, M., ... Campbell, P. J. (2014). Extensive transduction of nonrepetitive DNA mediated by L1 retrotransposition in cancer genomes. *Science*, *345*(6196), [1251343]. <https://doi.org/10.1126/science.1251343>

Katko, T. S. (2017). Väitöstilaisuus yliopiston imagonluojana. *Tiedepolitiikka*, *42*(1), 63-64.

Jungwirth, P. (2011). Physical chemistry: Water's wafer-thin surface. *Nature*, *474*(7350), 168-169. <https://doi.org/10.1038/474168a>