

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

Airaksinen M, Räsänen O, Ilén E, Häyrynen T, Kivi A, Marchi V et al. **Automatic Posture and Movement Tracking of Infants with Wearable Movement Sensors**. *Scientific Reports*. 2020 Jan 13;10(1). 169. <https://doi.org/10.1038/s41598-019-56862-5>

Akamatsu N, Tashiro W, Saito K, Mamiya JI, Kinoshita M, Ikeda T et al. **Facile strain analysis of largely bending films by a surface-labelled grating method**. *Scientific Reports*. 2014 Jun 20;4. 5377. <https://doi.org/10.1038/srep05377>

Akola J, Jones RO. **Speeding up crystallization**. *Science*. 2017 Dec 15;358(6369):1386. <https://doi.org/10.1126/science.aag0476>

Allahham MHDS, Al-Sa'd MF, Al-Ali A, Mohamed A, Khattab T, Erbad A. **DroneRF dataset: A dataset of drones for RF-based detection, classification and identification**. *Data in Brief*. 2019 Oct 1;26. 104313. <https://doi.org/10.1016/j.dib.2019.104313>

Astola H, Tabus I. **On the linear programming bound for linear Lee codes**. *SpringerPlus*. 2016 Mar 1;5(1):1-13. 246. <https://doi.org/10.1186/s40064-016-1863-8>

Bainschab M, Martikainen S, Keskinen J, Bergmann A, Karjalainen P. **Aerosol gas exchange system (AGES) for nanoparticle sampling at elevated temperatures: Modeling and experimental characterization**. *Scientific Reports*. 2019 Nov 20;9(1). 17149. <https://doi.org/10.1038/s41598-019-53113-5>

Baltakys K, Kannianen J, Emmert-Streib F. **Multilayer Aggregation with Statistical Validation: Application to Investor Networks**. *Scientific Reports*. 2018 Dec 1;8(1). 8198. <https://doi.org/10.1038/s41598-018-26575-2>

Bauer M, Rasmussen ES, Lomholt MA, Metzler R. **Real sequence effects on the search dynamics of transcription factors on DNA**. *Scientific Reports*. 2015 Jul 8;5. 10072. <https://doi.org/10.1038/srep10072>

Caetano dos Santos FL, Michalek IM, Laurila K, Kaukinen K, Hyttinen J, Lindfors K. **Automatic classification of IgA endomysial antibody test for celiac disease: a new method deploying machine learning**. *Scientific Reports*. 2019 Dec 1;9(1). 9217. <https://doi.org/10.1038/s41598-019-45679-x>

Curtze SC, Kratz M, Steinert M, Vogt S. **Step down Vascular Calcification Analysis using State-of-the-Art Nanoanalysis Techniques**. *Scientific Reports*. 2016 Mar 16;6. 23285. <https://doi.org/10.1038/srep23285>

Di Vito D, Mosallaei M, Khorramdel B, Kanerva M, Mäntysalo M. **Mechanically driven strategies to improve electromechanical behaviour of printed stretchable electronic systems**. *Scientific Reports*. 2020;10(1). 12037. <https://doi.org/10.1038/s41598-020-68871-w>

Du J, Harra J, Virkki M, Mäkelä JM, Leng Y, Kauranen M et al. **Surface-Enhanced Impulsive Coherent Vibrational Spectroscopy**. *Scientific Reports*. 2016 Nov 4;6. 36471. <https://doi.org/10.1038/srep36471>

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

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

Erasmus EP, Sule R, Johnson OT, Massera J, Sigalas I. **In vitro Evaluation of Porous borosilicate, borophosphate and phosphate Bioactive Glasses Scaffolds fabricated using Foaming Agent for Bone Regeneration.** Scientific Reports. 2018 Dec 1;8(1). 3699. <https://doi.org/10.1038/s41598-018-22032-2>

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

Faggiani R, Baron A, Zang X, Lalouat L, Schulz SA, O'Regan B et al. **Lower bound for the spatial extent of localized modes in photonic-crystal waveguides with small random imperfections.** Scientific Reports. 2016 Jun 1;6. 27037. <https://doi.org/10.1038/srep27037>

Fan YM, Hernesniemi J, Oksala N, Levula M, Raitoharju E, Collings A et al. **Upstream Transcription Factor 1 (USF1) allelic variants regulate lipoprotein metabolism in women and USF1 expression in atherosclerotic plaque.** Scientific Reports. 2014 Apr 11;4. 4650. <https://doi.org/10.1038/srep04650>

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

Fedele C, Mäntylä E, Belardi B, Hamkins-Indik T, Cavalli S, Netti PA et al. **Azobenzene-based sinusoidal surface topography drives focal adhesion confinement and guides collective migration of epithelial cells.** Scientific Reports. 2020;10(1). 15329. <https://doi.org/10.1038/s41598-020-71567-w>

Frankberg EJ, Kalikka J, Ferré FG, Joly-Pottuz L, Salminen T, Hintikka J et al. **Highly ductile amorphous oxide at room temperature and high strain rate.** Science. 2019 Nov 15;366(6467):864-869. <https://doi.org/10.1126/science.aav1254>

Godec A, Metzler R. **First passage time distribution in heterogeneity controlled kinetics: Going beyond the mean first passage time.** Scientific Reports. 2016 Feb 8;6. 20349. <https://doi.org/10.1038/srep20349>

Guixà-González R, Javanainen M, Gómez-Soler M, Cordobilla B, Domingo JC, Sanz F et al. **Membrane omega-3 fatty acids modulate the oligomerisation kinetics of adenosine A<sub>2A</sub> and dopamine D<sub>2</sub> receptors.** Scientific Reports. 2016 Jan 22;6. 19839. <https://doi.org/10.1038/srep19839>

Gundem G, Van Loo P, Kremeyer B, Alexandrov LB, Tubio JMC, Papaemmanuil E et al. **The evolutionary history of lethal metastatic prostate cancer.** Nature. 2015 Apr 15;520(7547):353-357. <https://doi.org/10.1038/nature14347>

Haider S, Islam B, D'Atri V, Sgobba M, Poojari C, Sun L et al. **Structure-phenotype correlations of human CYP21A2 mutations in congenital adrenal hyperplasia.** Proceedings of the National Academy of Sciences of the United States of America. 2013 Feb 12;110(7):2605-2610. <https://doi.org/10.1073/pnas.1221133110>

Honkela A, Peltonen J, Topa H, Charapitsa I, Matarese F, Grote K et al. **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. 2015 Oct 20;112(42):13115-13120. <https://doi.org/10.1073/pnas.1420404112>

Islam MS, Ivanov S, Robson E, Dooley-Cullinane T, Coffey L, Doolin K et al. **Genetic similarity of biological samples to counter bio-hacking of DNA-sequencing functionality.** Scientific Reports. 2019 Dec 1;9(1). 8684. <https://doi.org/10.1038/s41598-019-44995-6>

Jääskeläinen IP, Pajula J, Tohka J, Lee HJ, Kuo WJ, Lin FH. **Brain hemodynamic activity during viewing and re-viewing of comedy movies explained by experienced humor.** Scientific Reports. 2016 Jun 21;6. 27741. <https://doi.org/10.1038/srep27741>

Jungwirth P. **Physical chemistry: Water's wafer-thin surface.** Nature. 2011 Jun 8;474(7350):168-169. <https://doi.org/10.1038/474168a>

Juutinen M, Wang C, Zhu J, Haladjian J, Ruokolainen J, Puustinen J et al. **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. 2020;15(7). e0236258. <https://doi.org/10.1371/journal.pone.0236258>

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

Kanerva M, Besharat Z, Pärnänen T, Jokinen J, Honkanen M, Sarlin E et al. **Automatization and stress analysis data of CoCr laser weld fatigue tests.** Data in Brief. 2019 Oct 1;26. 104374. <https://doi.org/10.1016/j.dib.2019.104374>

Kangas P, Tikkakoski A, Kettunen J, Eräranta A, Huhtala H, Kähönen M et al. **Changes in hemodynamics associated with metabolic syndrome are more pronounced in women than in men.** Scientific Reports. 2019 Dec 5;9(1). 18377. <https://doi.org/10.1038/s41598-019-54926-0>

Kaszuba K, Grzybek M, Orłowski A, Danne R, Róg T, Simons K et al. **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. 2015 Apr 7;112(14):4334-4339. <https://doi.org/10.1073/pnas.1503262112>

Katko TS. **Väitöstilaisuus yliopiston imagonluojana.** Tiedepolitiikka. 2017 May;42(1):63-64.

Keinänen P, Siljander S, Koivula M, Sethi J, Sarlin E, Vuorinen J et al. **Optimized dispersion quality of aqueous carbon nanotube colloids as a function of sonochemical yield and surfactant/CNT ratio.** Heliyon. 2018 Sep 1;4(9). e00787. <https://doi.org/10.1016/j.heliyon.2018.e00787>

Kim J, Shah D, Potapov I, Latukka J, Aalto-Setälä K, Räsänen E. **Scaling and correlation properties of RR and QT intervals at the cellular level.** Scientific Reports. 2019;9(1). 3651. <https://doi.org/10.1038/s41598-019-40247-9>

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

Koskela O, Montonen T, Belay B, Figueiras E, Pursiainen S, Hyttinen J. **Gaussian Light Model in Brightfield Optical Projection Tomography.** Scientific Reports. 2019 Sep 26;9(1). <https://doi.org/10.1038/s41598-019-50469-6>

Lapre C, Billet C, Meng F, Ryczkowski P, Sylvestre T, Finot C et al. **Real-time characterization of spectral instabilities in a mode-locked fibre laser exhibiting soliton-similariton dynamics.** Scientific Reports. 2019 Sep 27;9(1). <https://doi.org/10.1038/s41598-019-50022-5>

Larjo A, Lähdesmäki H. **Using multi-step proposal distribution for improved MCMC convergence in Bayesian network structure learning.** Eurasip Journal on Bioinformatics and Systems Biology. 2015 Dec 27;2015(1). 6. <https://doi.org/10.1186/s13637-015-0024-7>

Laudyn UA, Jung PS, Karpierz MA, Assanto G. **Quasi two-dimensional astigmatic solitons in soft chiral metastructures.** Scientific Reports. 2016 Mar 15;6. 22923. <https://doi.org/10.1038/srep22923>

Laudyn UA, Kwaśny M, Sala FA, Karpierz MA, Smyth NF, Assanto G. **Curved optical solitons subject to transverse acceleration in reorientational soft matter.** Scientific Reports. 2017 Dec 1;7(1). 12385. <https://doi.org/10.1038/s41598-017-12242-5>

Lehtipalo K, Yan C, Dada L, Bianchi F, Xiao M, Wagner R et al. **Multicomponent new particle formation from sulfuric acid, ammonia, and biogenic vapors.** Science Advances. 2018 Dec 12;4(12). eaau5363. <https://doi.org/10.1126/sciadv.aau5363>

- Levin EJ, Cao Y, Enkavi G, Quick M, Pan Y, Tajkhorshid E et al. **Structure and permeation mechanism of a mammalian urea transporter**. Proceedings of the National Academy of Sciences of the United States of America. 2012 Jul 10;109(28):11194-11199. <https://doi.org/10.1073/pnas.1207362109>
- Li J, Shaikh SA, Enkavi G, Wen PC, Huang Z, Tajkhorshid E. **Transient formation of water-conducting states in membrane transporters**. Proceedings of the National Academy of Sciences of the United States of America. 2013 May 7;110(19):7696-7701. <https://doi.org/10.1073/pnas.1218986110>
- Lukovic D, Castro AA, Delgado ABG, Bernal MDL, Pelaez NL, Lloret AD et al. **Human iPSC derived disease model of MERTK-associated retinitis pigmentosa**. Scientific Reports. 2015 Aug 11;5: 12910. <https://doi.org/10.1038/srep12910>
- Mäkelä J, Kandavalli V, Ribeiro AS. **Rate-limiting steps in transcription dictate sensitivity to variability in cellular components**. Scientific Reports. 2017 Dec 1;7(1). 10588. <https://doi.org/10.1038/s41598-017-11257-2>
- Margvelashvili A, Zollikofer CPE, Lordkipanidze D, Peltomäki T, De León MSP. **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. 2013 Oct 22;110(43):17278-17283. <https://doi.org/10.1073/pnas.1316052110>
- Mathis A, Froehly L, Toenger S, Dias F, Genty G, Dudley JM. **Caustics and rogue waves in an optical sea**. Scientific Reports. 2015 Aug 6;5: 12822. <https://doi.org/10.1038/srep12822>
- Mikhailova A, Jylhä A, Rieck J, Nättinen J, Ilmarinen T, Veréb Z et al. **Comparative proteomics reveals human pluripotent stem cell-derived limbal epithelial stem cells are similar to native ocular surface epithelial cells**. Scientific Reports. 2015 Oct 1;5: 14684. <https://doi.org/10.1038/srep14684>
- Mobarak E, Håversen L, Manna M, Rutberg M, Levin M, Perkins R et al. **Glucosylceramide modifies the LPS-induced inflammatory response in macrophages and the orientation of the LPS/TLR4 complex in silico**. Scientific Reports. 2018 Dec 1;8(1). 13600. <https://doi.org/10.1038/s41598-018-31926-0>
- Molkkari M, Angelotti G, Emig T, Räsänen E. **Dynamical heart beat correlations during running**. Scientific Reports. 2020;10(1). 13627. <https://doi.org/10.1038/s41598-020-70358-7>
- Narra N, Abe S, Dimitrov V, Nikander R, Kouhia R, Sievänen H et al. **Ricci-flow based conformal mapping of the proximal femur to identify exercise loading effects**. Scientific Reports. 2018;8(1). 4823. <https://doi.org/10.1038/s41598-018-23248-y>
- Noronen T, Firstov S, Dianov E, Okhotnikov OG. **1700 nm dispersion managed mode-locked bismuth fiber laser**. Scientific Reports. 2016 Apr 21;6: 24876. <https://doi.org/10.1038/srep24876>
- Paci M, Nanni L, Severi S. **An ensemble of classifiers based on different texture descriptors for texture classification**. Journal of King Saud University - Science. 2013 Jul;25(3):235-244. <https://doi.org/10.1016/j.jksus.2012.12.001>
- Pessi T, Viiri LE, Raitoharju E, Astola N, Seppälä I, Waldenberger M et al. **Interleukin-6 and microRNA profiles induced by oral bacteria in human atheroma derived and healthy smooth muscle cells**. SpringerPlus. 2015 Dec 1;4(1). <https://doi.org/10.1186/s40064-015-0993-8>
- Postila PA, Vattulainen I, Róg T. **Selective effect of cell membrane on synaptic neurotransmission**. Scientific Reports. 2016 Jan 19;6: 19345. <https://doi.org/10.1038/srep19345>
- Postila PA, Kaszuba K, Kuleta P, Vattulainen I, Sarewicz M, Osyczka A et al. **Atomistic determinants of co-enzyme Q reduction at the Q<sub>1</sub>-site of the cytochrome bc<sub>1</sub> complex**. Scientific Reports. 2016 Sep 26;6: 33607. <https://doi.org/10.1038/srep33607>

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

Prajapat MK, Ribeiro AS. **Added value of autoregulation and multi-step kinetics of transcription initiation**. Royal Society Open Science. 2018 Nov 1;5(11). 181170. <https://doi.org/10.1098/rsos.181170>

Pulkkinen O, Metzler R. **Variance-corrected Michaelis-Menten equation predicts transient rates of single-enzyme reactions and response times in bacterial gene-regulation**. Scientific Reports. 2015 Dec 4;5. 17820. <https://doi.org/10.1038/srep17820>

Railanmaa A, Lehtimäki S, Keskinen J, Lupo D. **Non-toxic printed supercapacitors operating in sub-zero conditions**. Scientific Reports. 2019 Oct 1;9(1). 14059. <https://doi.org/10.1038/s41598-019-50570-w>

Railanmaa A, Soltani A, Lehtimäki S, Pournoori N, Keskinen J, Hokka M et al. **Skin-conformable printed supercapacitors and their performance in wear**. Scientific Reports. 2020;10(1). 15194. <https://doi.org/10.1038/s41598-020-72244-8>

Rasappa S, Ghoshal T, Borah D, Senthamarakannan R, Holmes JD, Morris MA. **A Highly Efficient Sensor Platform Using Simply Manufactured Nanodot Patterned Substrates**. Scientific Reports. 2015 Aug 20;5. 13270. <https://doi.org/10.1038/srep13270>

Rashed AR, Gudulluoglu B, Yun HW, Habib M, Boyaci IH, Hong SH et al. **Highly-Sensitive Refractive Index Sensing by Near-infrared Metatronic Nanocircuits**. Scientific Reports. 2018 Dec 1;8(1). 11457. <https://doi.org/10.1038/s41598-018-29623-z>

Reverey JF, Jeon J-H, Bao H, Leippe M, Metzler R, Selhuber-Unkel C. **Superdiffusion dominates intracellular particle motion in the supercrowded cytoplasm of pathogenic Acanthamoeba castellanii**. Scientific Reports. 2015 Jun 30;5. 11690. <https://doi.org/10.1038/srep11690>

Rissanen J, Korobko DA, Zolotovskiy IO, Melkumov M, Khopin VF, Gumenyuk R. **Infiltrated bunch of solitons in Bi-doped frequency-shifted feedback fibre laser operated at 1450 nm**. Scientific Reports. 2017 Mar 10;7. 44194. <https://doi.org/10.1038/srep44194>

Rönkkö T, Kuuluvainen H, Karjalainen P, Keskinen J, Hillamo R, Niemi JV et al. **Traffic is a major source of atmospheric nanocluster aerosol**. Proceedings of the National Academy of Sciences of the United States of America. 2017 Jul 18;114(29):7549-7554. <https://doi.org/10.1073/pnas.1700830114>

Ropo M, Blum V, Baldauf C. **Trends for isolated amino acids and dipeptides: Conformation, divalent ion binding, and remarkable similarity of binding to calcium and lead**. Scientific Reports. 2016 Nov 3;6. 35772. <https://doi.org/10.1038/srep35772>

Ruskamo S, Nieminen T, Kristiansen CK, Vatne GH, Baumann A, Hallin EI et al. **Molecular mechanisms of Charcot-Marie-Tooth neuropathy linked to mutations in human myelin protein P2**. Scientific Reports. 2017 Dec 1;7(1). 6510. <https://doi.org/10.1038/s41598-017-06781-0>

Salmela L, Lapre C, Dudley JM, Genty G. **Machine learning analysis of rogue solitons in supercontinuum generation**. Scientific Reports. 2020;10. 9596. <https://doi.org/10.1038/s41598-020-66308-y>

Sand J, Ihantola S, Peräjärvi K, Toivonen H, Toivonen J. **Optical detection of radon decay in air**. Scientific Reports. 2016 Feb 12;6. 21532. <https://doi.org/10.1038/srep21532>

Sariola V, Pena-Francesch A, Jung H, Çetinkaya M, Pacheco C, Sitti M et al. **Segmented molecular design of self-healing proteinaceous materials**. Scientific Reports. 2015 Sep 1;5. 13482. <https://doi.org/10.1038/srep13482>

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

Senju Y, Kalimeri M, Koskela EV, Somerharju P, Zhao H, Vattulainen I et al. **Mechanistic principles underlying regulation of the actin cytoskeleton by phosphoinositides.** Proceedings of the National Academy of Sciences of the United States of America. 2017 Oct 24;114(43):E8977-E8986. <https://doi.org/10.1073/pnas.1705032114>

Shahsavan H, Aghakhani A, Zeng H, Guo Y, Davidson ZS, Priimägi A et al. **Bioinspired underwater locomotion of light-driven liquid crystal gels.** Proceedings of the National Academy of Sciences of the United States of America. 2020 Mar 10;117(10):5125-5133. <https://doi.org/10.1073/pnas.1917952117>

Sharma V, Enkavi G, Vattulainen I, Róg T, Wikström M. **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. 2015 Feb 17;112(7):2040-2045. <https://doi.org/10.1073/pnas.1409543112>

Sharma V, Belevich G, Gamiz-Hernandez AP, Róg T, Vattulainen I, Verkhovskaya ML et al. **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. 2015 Sep 15;112(37):11571-11576. <https://doi.org/10.1073/pnas.1503761112>

Soltani A, Lahti J, Järvelä K, Curtze S, Laurikka J, Hokka M et al. **An Optical Method for the In-Vivo Characterization of the Biomechanical Response of the Right Ventricle.** Scientific Reports. 2018 Dec 1;8(1). 6831. <https://doi.org/10.1038/s41598-018-25223-z>

Tiulpin A, Thevenot J, Rahtu E, Lehenkari P, Saarakkala S. **Automatic knee osteoarthritis diagnosis from plain radiographs: A deep learning-based approach.** Scientific Reports. 2018 Dec 1;8(1). 1727. <https://doi.org/10.1038/s41598-018-20132-7>

Tiulpin A, Klein S, Bierma-Zeinstra SMA, Thevenot J, Rahtu E, Meurs JV et al. **Multimodal Machine Learning-based Knee Osteoarthritis Progression Prediction from Plain Radiographs and Clinical Data.** Scientific Reports. 2019 Dec 1;9(1). 20038. <https://doi.org/10.1038/s41598-019-56527-3>

Toenger S, Godin T, Billet C, Dias F, Erkintalo M, Genty G et al. **Emergent rogue wave structures and statistics in spontaneous modulation instability.** Scientific Reports. 2015 May 20;5. 10380. <https://doi.org/10.1038/srep10380>

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

Tubio JMC, Li Y, Ju YS, Martincorena I, Cooke SL, Tojo M et al. **Extensive transduction of nonrepetitive DNA mediated by L1 retrotransposition in cancer genomes.** Science. 2014 Aug 1;345(6196). 1251343. <https://doi.org/10.1126/science.1251343>

Turner KM, Sun Y, Ji P, Granberg KJ, Bernard B, Hu L et al. **Genomically amplified Akt3 activates DNA repair pathway and promotes glioma progression.** Proceedings of the National Academy of Sciences of the United States of America. 2015 Mar 17;112(11):3421-3426. <https://doi.org/10.1073/pnas.1414573112>

Tuukkanen S, Välimäki M, Lehtimäki S, Vuorinen T, Lupo D. **Behaviour of one-step spray-coated carbon nanotube supercapacitor in ambient light harvester circuit with printed organic solar cell and electrochromic display.** Scientific Reports. 2016 Mar 9;6. 22967. <https://doi.org/10.1038/srep22967>

Valkonen M, Ruusuvoori P, Kartasalo K, Nykter M, Visakorpi T, Latonen L. **Analysis of spatial heterogeneity in normal epithelium and preneoplastic alterations in mouse prostate tumor models.** Scientific Reports. 2017 Mar 20;7. 44831. <https://doi.org/10.1038/srep44831>

Valtonen O, Ormiskangas J, Kivekäs I, Rantanen V, Dean M, Poe D et al. **Three-Dimensional Printing of the Nasal Cavities for Clinical Experiments**. Scientific Reports. 2020 Jan 16;10. 502. <https://doi.org/10.1038/s41598-020-57537-2>

Virkki K, Tervola E, Ince M, Torres T, Tkachenko NV. **Comparison of electron injection and recombination on TiO<sub>2</sub> nanoparticles and ZnO nanorods photosensitized by phthalocyanine**. Royal Society Open Science. 2018 Jul 11;5(7). 180323. <https://doi.org/10.1098/rsos.180323>

Virta J, Hannula M, Tamminen I, Lindfors K, Kaukinen K, Popp A et al. **X-ray microtomography is a novel method for accurate evaluation of small-bowel mucosal morphology and surface area**. Scientific Reports. 2020;10(1). 13164. <https://doi.org/10.1038/s41598-020-69487-w>

Wang M, Kong W, Marten R, He XC, Chen D, Pfeifer J et al. **Rapid growth of new atmospheric particles by nitric acid and ammonia condensation**. Nature. 2020 May 14;581(7807):184-189. <https://doi.org/10.1038/s41586-020-2270-4>

Warnau J, Sharma V, Gamiz-Hernandez AP, Luca AD, Haapanen O, Vattulainen I et al. **Redox-coupled quinone dynamics in the respiratory complex I**. Proceedings of the National Academy of Sciences of the United States of America. 2018 Sep 4;115(36):E8413-E8420. <https://doi.org/10.1073/pnas.1805468115>

Wiklund P, Zhang X, Pekkala S, Autio R, Kong L, Yang Y et al. **Insulin resistance is associated with altered amino acid metabolism and adipose tissue dysfunction in normoglycemic women**. Scientific Reports. 2016 Apr 15;6. 24540. <https://doi.org/10.1038/srep24540>

Wilmes S, Hafer M, Vuorio J, Tucker JA, Winkelmann H, Löchte S et al. **Mechanism of homodimeric cytokine receptor activation and dysregulation by oncogenic mutations**. Science. 2020 Feb 7;367(6478):643-652. <https://doi.org/10.1126/science.aaw3242>

Yang Z, Dehmer M, Yli-Harja O, Emmert-Streib F. **Combining deep learning with token selection for patient phenotyping from electronic health records**. Scientific Reports. 2020;10(1). 1432. <https://doi.org/10.1038/s41598-020-58178-1>

Zhang TG, Wang YF, Zang XR, Zhuang W, Chen JB. **Active optical clock based on four-level quantum system**. Chinese Science Bulletin. 2013 Jun;58(17):2033-2038. <https://doi.org/10.1007/s11434-013-5877-0>