

Wang, Mingyi ; Kong, Weimeng ; Marten, Ruby ; He, Xu Cheng ; Chen, Dexian ; Pfeifer, Joschka ; Heitto, Arto ; Kontkanen, Jenni ; Dada, Lubna ; Kürten, Andreas ; Yli-Juuti, Taina ; Manninen, Hanna E. ; Amanatidis, Stavros ; Amorim, António ; Baalbaki, Rima ; Baccarini, Andrea ; Bell, David M. ; Bertozzi, Barbara ; Bräkling, Steffen ; Brilke, Sophia ; Murillo, Lucía Caudillo ; Chiu, Randall ; Chu, Biwu ; De Menezes, Louis Philippe ; Duplissy, Jonathan ; Finkenzeller, Henning ; Carracedo, Loic Gonzalez ; Granzin, Manuel ; Guida, Roberto ; Hansel, Armin ; Hofbauer, Victoria ; Krechmer, Jordan ; Lehtipalo, Katrianne ; Lamkaddam, Houssni ; Lampimäki, Markus ; Lee, Chuan Ping ; Makhmutov, Vladimir ; Marie, Guillaume ; Mathot, Serge ; Mauldin, Roy L. ; Mentler, Bernhard ; Müller, Tatjana ; Onnela, Antti ; Partoll, Eva ; Petäjä, Tuukka ; Philippov, Maxim ; Pospisilova, Veronika ; Ranjithkumar, Ananth ; Rissanen, Matti ; Rörup, Birte ; Scholz, Wiebke ; Shen, Jiali ; Simon, Mario ; Sipilä, Mikko ; Steiner, Gerhard ; Stolzenburg, Dominik ; Tham, Yee Jun ; Tomé, António ; Wagner, Andrea C. ; Wang, Dongyu S. ; Wang, Yonghong ; Weber, Stefan K. ; Winkler, Paul M. ; Wlasits, Peter J. ; Wu, Yusheng ; Xiao, Mao ; Ye, Qing ; Zauner-Wieczorek, Marcel ; Zhou, Xueqin ; Volkamer, Rainer ; Riipinen, Ilona ; Dommen, Josef ; Curtius, Joachim ; Baltensperger, Urs ; Kulmala, Markku ; Worsnop, Douglas R. ; Kirkby, Jasper ; Seinfeld, John H. ; El-Haddad, Imad ; Flagan, Richard C. ; Donahue, Neil M. / **Rapid growth of new atmospheric particles by nitric acid and ammonia condensation**. In: Nature. 2020 ; Vol. 581, No. 7807. pp. 184-189.

Shahsavan, Hamed ; Aghakhani, Amirreza ; Zeng, Hao ; Guo, Yubing ; Davidson, Zoey S. ; Priimägi, Arri ; Sitti, Metin. / **Bioinspired underwater locomotion of light-driven liquid crystal gels**. In: Proceedings of the National Academy of Sciences of the United States of America. 2020 ; Vol. 117, No. 10. pp. 5125-5133.

Wilmes, Stephan ; Hafer, Maximilian ; Vuorio, Joni ; Tucker, Julie A. ; Winkelmann, Hauke ; Löchte, Sara ; Stanly, Tess A. ; Pulgar Prieto, Katuska D. ; Poojari, Chetan ; Sharma, Vivek ; Richter, Christian P. ; Kurre, Rainer ; Hubbard, Stevan R. ; Christopher Garcia, K. ; Moraga, Ignacio ; Vattulainen, Ilpo ; Hitchcock, Ian S. ; Piehler, Jacob. / **Mechanism of homodimeric cytokine receptor activation and dysregulation by oncogenic mutations**. In: Science. 2020 ; Vol. 367, No. 6478. pp. 643-652.

Valtonen, Olli ; Ormiskangas, Jaakko ; Kivekäs, Ilkka ; Rantanen, Ville ; Dean, Marc ; Poe, Dennis ; Järnstedt, Jorma ; Lekkala, Jukka ; Saarenrinne, Pentti ; Rautiainen, Markus. / **Three-Dimensional Printing of the Nasal Cavities for Clinical Experiments**. In: Scientific Reports. 2020 ; Vol. 10.

Airaksinen, Manu ; Räsänen, Okko ; Ilén, Elina ; Häyrynen, Taru ; Kivi, Anna ; Marchi, Viviana ; Gallen, Anastasia ; Blom, Sonja ; Varhe, Anni ; Kaartinen, Nico ; Haataja, Leena ; Vanhatalo, Sampsa. / **Automatic Posture and Movement Tracking of Infants with Wearable Movement Sensors**. In: Scientific Reports. 2020 ; Vol. 10, No. 1.

Fedele, Chiara ; Mäntylä, Elina ; Belardi, Brian ; Hamkins-Indik, Tiama ; Cavalli, Silvia ; Netti, Paolo A. ; Fletcher, Daniel A. ; Nymark, Soile ; Priimägi, Arri ; Ihalainen, Teemu O. / **Azobenzene-based sinusoidal surface topography drives focal adhesion confinement and guides collective migration of epithelial cells**. In: Scientific Reports. 2020 ; Vol. 10, No. 1.

Yang, Zhen ; Dehmer, Matthias ; Yli-Harja, Olli ; Emmert-Streib, Frank. / **Combining deep learning with token selection for patient phenotyping from electronic health records**. In: Scientific Reports. 2020 ; Vol. 10, No. 1.

Molkkari, Matti ; Angelotti, Giorgio ; Emig, Thorsten ; Räsänen, Esa. / **Dynamical heart beat correlations during running**. In: Scientific Reports. 2020 ; Vol. 10, No. 1.

Salmela, Lauri ; Lapre, Coraline ; Dudley, John M. ; Genty, Goëry. / **Machine learning analysis of rogue solitons in supercontinuum generation**. In: Scientific Reports. 2020 ; Vol. 10.

Di Vito, Donato ; Mosallaei, Milad ; Khorramdel, Behnam ; Kanerva, Mikko ; Mäntysalo, Matti. / **Mechanically driven strategies to improve electromechanical behaviour of printed stretchable electronic systems**. In: Scientific Reports. 2020 ; Vol. 10, No. 1.

Juutinen, Milla ; Wang, Cassia ; Zhu, Justin ; Haladjian, Juan ; Ruokolainen, Jari ; Puustinen, Juha ; Vehkaoja, Antti. / **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**. In: PLoS ONE. 2020 ; Vol. 15, No. 7.

Railanmaa, Anna ; Soltani, Ayat ; Lehtimäki, Suvi ; Pournoori, Nazanin ; Keskinen, Jari ; Hokka, Mikko ; Lupo, Donald. / **Skin-conformable printed supercapacitors and their performance in wear**. In: Scientific Reports. 2020 ; Vol. 10, No. 1.

Virta, Johannes ; Hannula, Markus ; Tamminen, Ilmari ; Lindfors, Katri ; Kaukinen, Katri ; Popp, Alina ; Taavela, Juha ; Saavalainen, Päivi ; Hiltunen, Pauliina ; Hyttinen, Jari ; Kurppa, Kalle. / **X-ray microtomography is a novel method for accurate evaluation of small-bowel mucosal morphology and surface area.** In: Scientific Reports. 2020 ; Vol. 10, No. 1.

Kangas, Pauliina ; Tikkakoski, Antti ; Kettunen, Jarkko ; Eräranta, Arttu ; Huhtala, Heini ; Kähönen, Mika ; Sipilä, Kalle ; Mustonen, Jukka ; Pörsti, Ilkka. / **Changes in hemodynamics associated with metabolic syndrome are more pronounced in women than in men.** In: Scientific Reports. 2019 ; Vol. 9, No. 1.

Caetano dos Santos, Florentino Luciano ; Michalek, Irmina Maria ; Laurila, Kaija ; Kaukinen, Katri ; Hyttinen, Jari ; Lindfors, Katri. / **Automatic classification of IgA endomysial antibody test for celiac disease : a new method deploying machine learning.** In: Scientific Reports. 2019 ; Vol. 9, No. 1.

Islam, Mohd Siblee ; Ivanov, Stepan ; Robson, Eric ; Dooley-Cullinane, Triona ; Coffey, Lee ; Doolin, Kevin ; Balasubramaniam, Sasitharan. / **Genetic similarity of biological samples to counter bio-hacking of DNA-sequencing functionality.** In: Scientific Reports. 2019 ; Vol. 9, No. 1.

Tiulpin, Aleksei ; Klein, Stefan ; Bierma-Zeinstra, Sita M.A. ; Thevenot, Jérôme ; Rahtu, Esa ; Meurs, Joyce van ; Oei, Edwin H.G. ; Saarakkala, Simo. / **Multimodal Machine Learning-based Knee Osteoarthritis Progression Prediction from Plain Radiographs and Clinical Data.** In: Scientific Reports. 2019 ; Vol. 9, No. 1.

Bainschab, Markus ; Martikainen, Sampsa ; Keskinen, Jorma ; Bergmann, Alexander ; Karjalainen, Panu. / **Aerosol gas exchange system (AGES) for nanoparticle sampling at elevated temperatures : Modeling and experimental characterization.** In: Scientific Reports. 2019 ; Vol. 9, No. 1.

Frankberg, Erka J. ; Kalikka, Janne ; Ferré, Francisco García ; Joly-Pottuz, Lucile ; Salminen, Turkka ; Hintikka, Jouko ; Hokka, Mikko ; Koneti, Siddardha ; Douillard, Thierry ; Le Saint, Bérangère ; Kreiml, Patrice ; Cordill, Megan J. ; Epicier, Thierry ; Stauffer, Douglas ; Vanazzi, Matteo ; Roiban, Lucian ; Akola, Jaakko ; Fonzo, Fabio Di ; Levänen, Erkki ; Masenelli-Varlot, Karine. / **Highly ductile amorphous oxide at room temperature and high strain rate.** In: Science. 2019 ; Vol. 366, No. 6467. pp. 864-869.

Kanerva, M. ; Besharat, Z. ; Pärnänen, T. ; Jokinen, J. ; Honkanen, M. ; Sarlin, E. ; Göthelid, M. ; Schlenzka, D. / **Automatization and stress analysis data of CoCr laser weld fatigue tests.** In: Data in Brief. 2019 ; Vol. 26.

Allahham, MHD Saria ; Al-Sa'd, Mohammad F. ; Al-Ali, Abdulla ; Mohamed, Amr ; Khattab, Tamer ; Erbad, Aiman. / **DroneRF dataset : A dataset of drones for RF-based detection, classification and identification.** In: Data in Brief. 2019 ; Vol. 26.

Railanmaa, Anna ; Lehtimäki, Suvi ; Keskinen, Jari ; Lupo, Donald. / **Non-toxic printed supercapacitors operating in sub-zero conditions.** In: Scientific Reports. 2019 ; Vol. 9, No. 1.

Lapre, Coraline ; Billet, Cyril ; Meng, Fanchao ; Ryczkowski, Piotr ; Sylvestre, Thibaut ; Finot, Christophe ; Genty, Göery ; Dudley, John M. / **Real-time characterization of spectral instabilities in a mode-locked fibre laser exhibiting soliton-similariton dynamics.** In: Scientific Reports. 2019 ; Vol. 9, No. 1.

Koskela, Olli ; Montonen, Toni ; Belay, Birhanu ; Figueiras, Edite ; Pursiainen, Sampsa ; Hyttinen, Jari. / **Gaussian Light Model in Brightfield Optical Projection Tomography.** In: Scientific Reports. 2019 ; Vol. 9, No. 1.

Kim, Jiyeong ; Shah, Disheet ; Potapov, Ilya ; Latukka, Joonas ; Aalto-Setälä, Katriina ; Räsänen, Esa. / **Scaling and correlation properties of RR and QT intervals at the cellular level.** In: Scientific Reports. 2019 ; Vol. 9, No. 1.

Lehtipalo, Katrianne ; Yan, Chao ; Dada, Lubna ; Bianchi, Federico ; Xiao, Mao ; Wagner, Robert ; Stolzenburg, Dominik ; Ahonen, Lauri R. ; Amorim, Antonio ; Baccarini, Andrea ; Bauer, Paulus S. ; Baumgartner, Bernhard ; Bergen, Anton ; Bernhammer, Anne Kathrin ; Breitenlechner, Martin ; Brilke, Sophia ; Buchholz, Angela ; Mazon, Stephany Buenrostro ; Chen, Dexian ; Chen, Xuemeng ; Dias, Antonio ; Dommen, Josef ; Draper, Danielle C. ; Duplissy, Jonathan ; Ehn, Mikael ;

Finkenzeller, Henning ; Fischer, Lukas ; Frege, Carla ; Fuchs, Claudia ; Garmash, Olga ; Gordon, Hamish ; Hakala, Jani ; He, Xucheng ; Heikkinen, Liine ; Heinritzi, Martin ; Helm, Johanna C. ; Hofbauer, Victoria ; Hoyle, Christopher R. ; Jokinen, Tuija ; Kangasluoma, Juha ; Kerminen, Veli Matti ; Kim, Changhyuk ; Kirkby, Jasper ; Kontkanen, Jenni ; Kürten, Andreas ; Lawler, Michael J. ; Mai, Huajun ; Mathot, Serge ; Nieminen, Tuomo ; Virtanen, Annele. / **Multicomponent new particle formation from sulfuric acid, ammonia, and biogenic vapors**. In: Science Advances. 2018 ; Vol. 4, No. 12.

Soltani, A. ; Lahti, J. ; Järvelä, K. ; Curtze, S. ; Laurikka, J. ; Hokka, M. ; Kuokkala, V. T. / **An Optical Method for the In-Vivo Characterization of the Biomechanical Response of the Right Ventricle**. In: Scientific Reports. 2018 ; Vol. 8, No. 1.

Tiulpin, Aleksei ; Thevenot, Jérôme ; Rahtu, Esa ; Lehenkari, Petri ; Saarakkala, Simo. / **Automatic knee osteoarthritis diagnosis from plain radiographs : A deep learning-based approach**. In: Scientific Reports. 2018 ; Vol. 8, No. 1.

Mobarak, Edouard ; Håversen, Liliana ; Manna, Moutusi ; Rutberg, Mikael ; Levin, Malin ; Perkins, Rosie ; Rog, Tomasz ; Vattulainen, Ilpo ; Borén, Jan. / **Glucosylceramide modifies the LPS-induced inflammatory response in macrophages and the orientation of the LPS/TLR4 complex in silico**. In: Scientific Reports. 2018 ; Vol. 8, No. 1.

Rashed, A. R. ; Gudulluoglu, B. ; Yun, H. W. ; Habib, M. ; Boyaci, I. H. ; Hong, S. H. ; Ozbay, E. ; Caglayan, H. / **Highly-Sensitive Refractive Index Sensing by Near-infrared Metatronic Nanocircuits**. In: Scientific Reports. 2018 ; Vol. 8, No. 1.

Potapov, Ilya ; Latukka, Joonas ; Kim, Jiyeong ; Luukko, Perttu ; Aalto-Setälä, Katriina ; Räsänen, Esa. / **Information transfer in QT-RR dynamics : Application to QT-correction**. In: Scientific Reports. 2018 ; Vol. 8, No. 1.

Erasmus, E. P. ; Sule, R. ; Johnson, O. T. ; Massera, J. ; Sigalas, I. / **In vitro Evaluation of Porous borosilicate, borophosphate and phosphate Bioactive Glasses Scaffolds fabricated using Foaming Agent for Bone Regeneration**. In: Scientific Reports. 2018 ; Vol. 8, No. 1.

Baltakys, Kstutis ; Kanninen, Juho ; Emmert-Streib, Frank. / **Multilayer Aggregation with Statistical Validation : Application to Investor Networks**. In: Scientific Reports. 2018 ; Vol. 8, No. 1.

Prajapat, Mahendra Kumar ; Ribeiro, Andre S. / **Added value of autoregulation and multi-step kinetics of transcription initiation**. In: Royal Society Open Science. 2018 ; Vol. 5, No. 11.

Warnau, Judith ; Sharma, Vivek ; Gamiz-Hernandez, Ana P. ; Luca, Andrea Di ; Haapanen, Outi ; Vattulainen, Ilpo ; Wikström, Märten ; Hummer, Gerhard ; Kaila, Ville R.I. / **Redox-coupled quinone dynamics in the respiratory complex I**. In: Proceedings of the National Academy of Sciences of the United States of America. 2018 ; Vol. 115, No. 36. pp. E8413-E8420.

Keinänen, Pasi ; Siljander, Sanna ; Koivula, Mikko ; Sethi, Jatin ; Sarlin, Essi ; Vuorinen, Jyrki ; Kanerva, Mikko. / **Optimized dispersion quality of aqueous carbon nanotube colloids as a function of sonochemical yield and surfactant/CNT ratio**. In: Heliyon. 2018 ; Vol. 4, No. 9.

Sartoneva, Reetta ; Kuismanen, Kirsi ; Juntunen, Miia ; Karjalainen, Sanna ; Hannula, Markus ; Kyllönen, Laura ; Hyttinen, Jari ; Huhtala, Heini ; Paakinaho, Kaarlo ; Miettinen, Susanna. / **Porous poly-L-lactide-co-1-caprolactone scaffold : A novel biomaterial for vaginal tissue engineering**. In: Royal Society Open Science. 2018 ; Vol. 5, No. 8.

Virkki, K. ; Tervola, E. ; Ince, M. ; Torres, T. ; Tkachenko, N. V. / **Comparison of electron injection and recombination on TiO₂ nanoparticles and ZnO nanorods photosensitized by phthalocyanine**. In: Royal Society Open Science. 2018 ; Vol. 5, No. 7.

Narra, Nathaniel ; Abe, Shinya ; Dimitrov, Vassil ; Nikander, Riku ; Kouhia, Reijo ; Sievänen, Harri ; Hyttinen, Jari. / **Ricci-flow based conformal mapping of the proximal femur to identify exercise loading effects**. In: Scientific Reports. 2018 ; Vol. 8, No. 1.

Tomberg, Teemu ; Vainio, Markku ; Hieta, Tuomas ; Halonen, Lauri. / **Sub-parts-per-trillion level sensitivity in trace gas detection by cantilever-enhanced photo-acoustic spectroscopy**. In: Scientific Reports. 2018 ; Vol. 8, No. 1.

Akola, J. ; Jones, R. O. / **Speeding up crystallization**. In: Science. 2017 ; Vol. 358, No. 6369. pp. 1386.

Aho, Vesa ; Myllys, Markko ; Ruokolainen, Visa ; Hakanen, Satu ; Mäntylä, Elina ; Virtanen, Jori ; Hukkanen, Veijo ; Kühn, Thomas ; Timonen, Jussi ; Mattila, Keijo ; Larabell, Carolyn A. ; Vihinen-Ranta, Maija. / **Chromatin organization regulates viral egress dynamics**. In: Scientific Reports. 2017 ; Vol. 7, No. 1.

Laudyn, Urszula A. ; Kwaśny, Michał ; Sala, Filip A. ; Karpierz, Mirosław A. ; Smyth, Noel F. ; Assanto, Gaetano. / **Curved optical solitons subject to transverse acceleration in reorientational soft matter**. In: Scientific Reports. 2017 ; Vol. 7, No. 1.

Erasmus, E. P. ; Johnson, O. T. ; Sigalas, I. ; Massera, J. / **Effects of Sintering Temperature on Crystallization and Fabrication of Porous Bioactive Glass Scaffolds for Bone Regeneration**. In: Scientific Reports. 2017 ; Vol. 7, No. 1.

Ruskamo, Salla ; Nieminen, Tuomo ; Kristiansen, Cecilie K. ; Vatne, Guro H. ; Baumann, Anne ; Hallin, Erik I. ; Raasakka, Arne ; Joensuu, Päivi ; Bergmann, Ulrich ; Vattulainen, Ilpo ; Kursula, Petri. / **Molecular mechanisms of Charcot-Marie-Tooth neuropathy linked to mutations in human myelin protein P2**. In: Scientific Reports. 2017 ; Vol. 7, No. 1.

Kiranyaz, Serkan ; Ince, Turker ; Gabbouj, Moncef. / **Personalized Monitoring and Advance Warning System for Cardiac Arrhythmias**. In: Scientific Reports. 2017 ; Vol. 7, No. 1.

Mäkelä, Jarno ; Kandavalli, Vinodh ; Ribeiro, Andre S. / **Rate-limiting steps in transcription dictate sensitivity to variability in cellular components**. In: Scientific Reports. 2017 ; Vol. 7, No. 1.

Fang, Yunnan ; Akbari, Mitra ; Sydänheimo, Lauri ; Ukkonen, Leena ; Tentzeris, Manos M. / **Sensitivity enhancement of flexible gas sensors via conversion of inkjet-printed silver electrodes into porous gold counterparts**. In: Scientific Reports. 2017 ; Vol. 7, No. 1.

Senju, Yosuke ; Kalimeri, Maria ; Koskela, Essi V. ; Somerharju, Pentti ; Zhao, Hongxia ; Vattulainen, Ilpo ; Lappalainen, Pekka. / **Mechanistic principles underlying regulation of the actin cytoskeleton by phosphoinositides**. In: Proceedings of the National Academy of Sciences of the United States of America. 2017 ; Vol. 114, No. 43. pp. E8977-E8986.

Rönkkö, Topi ; Kuuluvainen, Heino ; Karjalainen, Panu ; Keskinen, Jorma ; Hillamo, Risto ; Niemi, Jarkko V. ; Pirjola, Liisa ; Timonen, Hilka J. ; Saarikoski, Sanna ; Saukko, Erkka ; Järvinen, Anssi ; Silvennoinen, Henna ; Rostedt, Antti ; Olin, Miska ; Yli-Ojanperä, Jaakko ; Nousiainen, Pekka ; Kousa, Anu ; Dal Maso, Miikka. / **Traffic is a major source of atmospheric nanocluster aerosol**. In: Proceedings of the National Academy of Sciences of the United States of America. 2017 ; Vol. 114, No. 29. pp. 7549-7554.

Katko, Tapio S. / **Väitöstilaisuus yliopiston imagonluojana**. In: Tiedepolitiikka. 2017 ; Vol. 42, No. 1. pp. 63-64.

Valkonen, Mira ; Ruusu vuori, Pekka ; Kartasalo, Kimmo ; Nykter, Matti ; Visakorpi, Tapio ; Latonen, Leena. / **Analysis of spatial heterogeneity in normal epithelium and preneoplastic alterations in mouse prostate tumor models**. In: Scientific Reports. 2017 ; Vol. 7.

Rissanen, Joona ; Korobko, Dmitry A. ; Zolotovskiy, Igor O. ; Melkumov, Mikhail ; Khopin, Vladimir F. ; Gumenyuk, Regina. / **Infiltrated bunch of solitons in Bi-doped frequency-shifted feedback fibre laser operated at 1450 nm**. In: Scientific Reports. 2017 ; Vol. 7.

Du, Juan ; Harra, Juha ; Virkki, Matti ; Mäkelä, Jyrki M. ; Leng, Yuxin ; Kauranen, Martti ; Kobayashi, Takayoshi. / **Surface-Enhanced Impulsive Coherent Vibrational Spectroscopy**. In: Scientific Reports. 2016 ; Vol. 6.

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.** In: Scientific Reports. 2016 ; Vol. 6.

Postila, Pekka A. ; Kaszuba, Karol ; Kuleta, Patryk ; Vattulainen, Ilpo ; Sarewicz, Marcin ; Osyczka, Artur ; Róg, Tomasz. / **Atomistic determinants of co-enzyme Q reduction at the Q₁-site of the cytochrome bc₁ complex.** In: Scientific Reports. 2016 ; Vol. 6.

Jääskeläinen, Iiro P. ; Pajula, Juha ; Tohka, Jussi ; Lee, Hsin Ju ; Kuo, Wen Jui ; Lin, Fa Hsuan. / **Brain hemodynamic activity during viewing and re-viewing of comedy movies explained by experienced humor.** In: Scientific Reports. 2016 ; Vol. 6.

Faggiani, Rémi ; Baron, Alexandre ; Zang, Xiaorun ; Lalouat, Loïc ; Schulz, Sebastian A. ; O'Regan, Bryan ; Vynck, Kevin ; Cluzel, Benoît ; De Fornel, Frédérique ; Krauss, Thomas F. ; Lalanne, Philippe. / **Lower bound for the spatial extent of localized modes in photonic-crystal waveguides with small random imperfections.** In: Scientific Reports. 2016 ; Vol. 6.

Noronen, Teppo ; Firstov, Sergei ; Dianov, Evgeny ; Okhotnikov, Oleg G. / **1700 nm dispersion managed mode-locked bismuth fiber laser.** In: Scientific Reports. 2016 ; Vol. 6.

Wiklund, Petri ; Zhang, Xiaobo ; Pekkala, Satu ; Autio, Reija ; Kong, Lingjia ; Yang, Yifan ; Keinänen-Kiukaanniemi, Sirkka ; Alen, Markku ; Cheng, Sulin. / **Insulin resistance is associated with altered amino acid metabolism and adipose tissue dysfunction in normoglycemic women.** In: Scientific Reports. 2016 ; Vol. 6.

Curtze, Sven C. ; Kratz, Marita ; Steinert, Marian ; Vogt, Sebastian. / **Step down Vascular Calcification Analysis using State-of-the-Art Nanoanalysis Techniques.** In: Scientific Reports. 2016 ; Vol. 6.

Laudyn, Urszula A. ; Jung, Paweł S. ; Karpierz, Mirosław A. ; Assanto, Gaetano. / **Quasi two-dimensional astigmatic solitons in soft chiral metastructures.** In: Scientific Reports. 2016 ; Vol. 6.

Tuukkanen, Sampo ; Välimäki, Marja ; Lehtimäki, Suvi ; Vuorinen, Tiina ; Lupo, Donald. / **Behaviour of one-step spray-coated carbon nanotube supercapacitor in ambient light harvester circuit with printed organic solar cell and electrochromic display.** In: Scientific Reports. 2016 ; Vol. 6.

Astola, Helena ; Tabus, Ioan. / **On the linear programming bound for linear Lee codes.** In: SpringerPlus. 2016 ; Vol. 5, No. 1. pp. 1-13.

Sand, Johan ; Ihanntola, Sakari ; Peräjärvi, Kari ; Toivonen, Harri ; Toivonen, Juha. / **Optical detection of radon decay in air.** In: Scientific Reports. 2016 ; Vol. 6.

Godec, Aljaz ; Metzler, Ralf. / **First passage time distribution in heterogeneity controlled kinetics : Going beyond the mean first passage time.** In: Scientific Reports. 2016 ; Vol. 6.

Guixà-González, Ramon ; Javanainen, Matti ; Gómez-Soler, Maricel ; Cordobilla, Begoña ; Domingo, Joan Carles ; Sanz, Ferran ; Pastor, Manuel ; Ciruela, Francisco ; Martínez-Seara, Hector ; Selent, Jana. / **Membrane omega-3 fatty acids modulate the oligomerisation kinetics of adenosine A_{2A} and dopamine D₂ receptors.** In: Scientific Reports. 2016 ; Vol. 6.

Postila, Pekka A. ; Vattulainen, Ilpo ; Róg, Tomasz. / **Selective effect of cell membrane on synaptic neurotransmission.** In: Scientific Reports. 2016 ; Vol. 6.

Larjo, Antti ; Lähdesmäki, Harri. / **Using multi-step proposal distribution for improved MCMC convergence in Bayesian network structure learning.** In: Eurasip Journal on Bioinformatics and Systems Biology. 2015 ; Vol. 2015, No. 1.

Pulkkinen, Otto ; Metzler, Ralf. / **Variance-corrected Michaelis-Menten equation predicts transient rates of single-enzyme reactions and response times in bacterial gene-regulation.** In: Scientific Reports. 2015 ; Vol. 5.

Pessi, Tanja ; Viiri, Leena E. ; Raitoharju, Emma ; Astola, Nagora ; Seppälä, Ilkka ; Waldenberger, Melanie ; Lounatmaa, Kari ; Davies, Alun H. ; Lehtimäki, Terho ; Karhunen, Pekka J. ; Monaco, Claudia. / **Interleukin-6 and microRNA profiles induced by oral bacteria in human atheroma derived and healthy smooth muscle cells**. In: SpringerPlus. 2015 ; Vol. 4, No. 1.

Honkela, Antti ; Peltonen, Jaakko ; Topa, Hande ; Charapitsa, Iryna ; Matarese, Filomena ; Grote, Korbinian ; Stunnenberg, Hendrik G. ; Reid, George ; Lawrence, Neil D. ; Rattray, Magnus. / **Genome-wide modeling of transcription kinetics reveals patterns of RNA production delays**. In: Proceedings of the National Academy of Sciences of the United States of America. 2015 ; Vol. 112, No. 42. pp. 13115-13120.

Mikhailova, Alexandra ; Jylhä, Antti ; Rieck, Jochen ; Nättinen, Janika ; Ilmarinen, Tanja ; Veréb, Zoltán ; Aapola, Ulla ; Beuerman, Roger ; Petrovski, Goran ; Uusitalo, Hannu ; Skottman, Heli. / **Comparative proteomics reveals human pluripotent stem cell-derived limbal epithelial stem cells are similar to native ocular surface epithelial cells**. In: Scientific Reports. 2015 ; Vol. 5.

Sharma, Vivek ; Belevich, Galina ; Gamiz-Hernandez, Ana P. ; Róg, Tomasz ; Vattulainen, Ilpo ; Verkhovskaya, Marina L. ; Wikström, Märten ; Hummer, Gerhard ; Kaila, Ville R I. / **Redox-induced activation of the proton pump in the respiratory complex I**. In: Proceedings of the National Academy of Sciences of the United States of America. 2015 ; Vol. 112, No. 37. pp. 11571-11576.

Sariola, Veikko ; Pena-Francesch, Abdon ; Jung, Huihun ; Çetinkaya, Murat ; Pacheco, Carlos ; Sitti, Metin ; Demirel, Melik C. / **Segmented molecular design of self-healing proteinaceous materials**. In: Scientific Reports. 2015 ; Vol. 5.

Rasappa, Sozaraj ; Ghoshal, Tandra ; Borah, Dipu ; Senthamaraikannan, Ramsankar ; Holmes, Justin D. ; Morris, Michael A. / **A Highly Efficient Sensor Platform Using Simply Manufactured Nanodot Patterned Substrates**. In: Scientific Reports. 2015 ; Vol. 5.

Lukovic, Dunja ; Castro, Ana Artero ; Delgado, Ana Belen Garcia ; Bernal, María De Los Angeles Martín ; Pelaez, Noelia Luna ; Lloret, Andrea Díez ; Espejo, Rocío Perez ; Kamenarova, Kunka ; Sánchez, Laura Fernández ; Cuenca, Nicolás ; Cortón, Marta ; Fernandez, Almudena Avila ; Sorkio, Anni ; Skottman, Heli ; Ayuso, Carmen ; Erceg, Slaven ; Bhattacharya, Shomi S. / **Human iPSC derived disease model of MERTK-associated retinitis pigmentosa**. In: Scientific Reports. 2015 ; Vol. 5.

Mathis, Amaury ; Froehly, Luc ; Toenger, Shanti ; Dias, Frédéric ; Genty, Goëry ; Dudley, John M. / **Caustics and rogue waves in an optical sea**. In: Scientific Reports. 2015 ; Vol. 5.

Bauer, Maximilian ; Rasmussen, Emil S. ; Lomholt, Michael A. ; Metzler, Ralf. / **Real sequence effects on the search dynamics of transcription factors on DNA**. In: Scientific Reports. 2015 ; Vol. 5.

Reverey, Julia F. ; Jeon, Jae-Hyung ; Bao, Han ; Leippe, Matthias ; Metzler, Ralf ; Selhuber-Unkel, Christine. / **Superdiffusion dominates intracellular particle motion in the supercrowded cytoplasm of pathogenic Acanthamoeba castellanii**. In: Scientific Reports. 2015 ; Vol. 5.

Toenger, Shanti ; Godin, Thomas ; Billet, Cyril ; Dias, Frédéric ; Erkintalo, Miro ; Genty, Goëry ; Dudley, John M. / **Emergent rogue wave structures and statistics in spontaneous modulation instability**. In: Scientific Reports. 2015 ; Vol. 5.

Gundem, Gunes ; Van Loo, Peter ; Kremeyer, Barbara ; Alexandrov, Ludmil B. ; Tubio, Jose M.C. ; Papaemmanuil, Elli ; Brewer, Daniel S. ; Kallio, Heini M.L. ; Högnäs, Gunilla ; Annala, Matti ; Kivinummi, Kati ; Goody, Victoria ; Latimer, Calli ; O'Meara, Sarah ; Dawson, Kevin J. ; Isaacs, William ; Emmert-Buck, Michael R. ; Nykter, Matti ; Foster, Christopher ; Kote-Jarai, Zsofia ; Easton, Douglas ; Whitaker, Hayley C. ; Neal, David E. ; Cooper, Colin S. ; Eeles, Rosalind A. ; Visakorpi, Tapio ; Campbell, Peter J. ; McDermott, Ultan ; Wedge, David C. ; Bova, G. Steven. / **The evolutionary history of lethal metastatic prostate cancer**. In: Nature. 2015 ; Vol. 520, No. 7547. pp. 353-357.

Kaszuba, Karol ; Grzybek, Michał ; Orłowski, Adam ; Danne, Reinis ; Róg, Tomasz ; Simons, Kai ; Coskun, Ünal ; Vattulainen, Ilpo. / **N-Glycosylation as determinant of epidermal growth factor receptor conformation in membranes.** In: Proceedings of the National Academy of Sciences of the United States of America. 2015 ; Vol. 112, No. 14. pp. 4334-4339.

Turner, Kristen M. ; Sun, Youting ; Ji, Ping ; Granberg, Kirsi J. ; Bernard, Brady ; Hu, Limei ; Cogdell, David E. ; Zhou, Xinhui ; Yli-Harja, Olli ; Nykter, Matti ; Shmulevich, Ilya ; Yung, W. K Alfred ; Fuller, Gregory N. ; Zhang, Wei. / **Genomically amplified Akt3 activates DNA repair pathway and promotes glioma progression.** In: Proceedings of the National Academy of Sciences of the United States of America. 2015 ; Vol. 112, No. 11. pp. 3421-3426.

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.** In: Proceedings of the National Academy of Sciences of the United States of America. 2015 ; Vol. 112, No. 7. pp. 2040-2045.

Tubio, Jose M.C. ; Li, Yilong ; Ju, Young Seok ; Martincorena, Inigo ; Cooke, Susanna L. ; Tojo, Marta ; Gundem, Gunes ; Pipinikas, Christodoulos P. ; Zamora, Jorge ; Raine, Keiran ; Menzies, Andrew ; Roman-Garcia, Pablo ; Fullam, Anthony ; Gerstung, Moritz ; Shlien, Adam ; Tarpey, Patrick S. ; Papaemmanuil, Elli ; Knappskog, Stian ; Van Loo, Peter ; Ramakrishna, Manasa ; Davies, Helen R. ; Marshall, John ; Wedge, David C. ; Teague, Jon W. ; Butler, Adam P. ; Nik-Zainal, Serena ; Alexandrov, Ludmil ; Behjati, Sam ; Yates, Lucy R. ; Bolli, Niccolo ; Mudie, Laura ; Hardy, Claire ; Martin, Sancha ; McLaren, Stuart ; O'Meara, Sarah ; Anderson, Elizabeth ; Maddison, Mark ; Gamble, Stephen ; Foster, Christopher ; Warren, Anne Y. ; Whitaker, Hayley ; Brewer, Daniel ; Eeles, Rosalind ; Cooper, Colin ; Neal, David ; Lynch, Andy G. ; Visakorpi, Tapio ; Isaacs, William B. ; Van't Veer, Laura ; Caldas, Carlos ; Desmedt, Christine ; Sotiriou, Christos ; Aparicio, Sam ; Foekens, John A. ; Eyfjörd, Jörunn Erla ; Lakhani, Sunil R. ; Thomas, Gilles ; Myklebost, Ola ; Span, Paul N. ; Børresen-Dale, Anne Lise ; Richardson, Andrea L. ; Van De Vijver, Marc ; Vincent-Salomon, Anne ; Van Den Eynden, Gert G. ; Flanagan, Adrienne M. ; Futreal, P. Andrew ; Janes, Sam M. ; Bova, G. Steven ; Stratton, Michael R. ; McDermott, Ultan ; Campbell, Peter J. / **Extensive transduction of nonrepetitive DNA mediated by L1 retrotransposition in cancer genomes.** In: Science. 2014 ; Vol. 345, No. 6196.

Akamatsu, Norihisa ; Tashiro, Wataru ; Saito, Keisuke ; Mamiya, Jun Ichi ; Kinoshita, Motoi ; Ikeda, Tomiki ; Takeya, Jun ; Fujikawa, Shigenori ; Priimagi, Arri ; Shishido, Atsushi. / **Facile strain analysis of largely bending films by a surface-labelled grating method.** In: Scientific Reports. 2014 ; Vol. 4.

Fan, Yue Mei ; Hernesniemi, Jussi ; Oksala, Niku ; Levula, Mari ; Raitoharju, Emma ; Collings, Auni ; Hutri-Kähönen, Nina ; Juonala, Markus ; Marniemi, Jukka ; Lyytikäinen, Leo Pekka ; Seppälä, Ilkka ; Mennander, Ari ; Tarkka, Matti ; Kangas, Antti J. ; Soininen, Pasi ; Salenius, Juha Pekka ; Klopp, Norman ; Illig, Thomas ; Laitinen, Tomi ; Ala-Korpela, Mika ; Laaksonen, Reijo ; Viikari, Jorma ; Kähönen, Mika ; Raitakari, Olli T. ; Lehtimäki, Terho. / **Upstream Transcription Factor 1 (USF1) allelic variants regulate lipoprotein metabolism in women and USF1 expression in atherosclerotic plaque.** In: Scientific Reports. 2014 ; Vol. 4.

Margvelashvili, Ann ; Zollkofer, Christoph P E ; Lordkipanidze, David ; Peltomäki, Timo ; De León, Marcia S Ponce. / **Tooth wear and dentoalveolar remodeling are key factors of morphological variation in the Dmanisi mandibles.** In: Proceedings of the National Academy of Sciences of the United States of America. 2013 ; Vol. 110, No. 43. pp. 17278-17283.

Paci, Michelangelo ; Nanni, Loris ; Severi, Stefano. / **An ensemble of classifiers based on different texture descriptors for texture classification.** In: Journal of King Saud University - Science. 2013 ; Vol. 25, No. 3. pp. 235-244.

Zhang, TongGang G. ; Wang, YanFei F. ; Zang, XiaoRun R. ; Zhuang, Wei ; Chen, JingBiao B. / **Active optical clock based on four-level quantum system.** In: Chinese Science Bulletin. 2013 ; Vol. 58, No. 17. pp. 2033-2038.

Li, Jing ; Shaikh, Saher A. ; Enkavi, Giray ; Wen, Po Chao ; Huang, Zhijian ; Tajkhorshid, Emad. / **Transient formation of water-conducting states in membrane transporters.** In: Proceedings of the National Academy of Sciences of the United States of America. 2013 ; Vol. 110, No. 19. pp. 7696-7701.

Haider, Shozeb ; Islam, Barira ; D'Atri, Valentina ; Sgobba, Miriam ; Poojari, Chetan ; Sun, Li ; Yuen, Tony ; Zaidi, Mone ; New, Maria I. / **Structure-phenotype correlations of human CYP21A2 mutations in congenital adrenal hyperplasia.** In: Proceedings of the National Academy of Sciences of the United States of America. 2013 ; Vol. 110, No. 7. pp. 2605-2610.

Eriksson, Urszula Kosinska ; Fischer, Gerhard ; Friemann, Rosmarie ; Enkavi, Giray ; Tajkhorshid, Emad ; Neutze, Richard. / **Subangstrom resolution x-ray structure details aquaporin-water interactions**. In: Science. 2013 ; Vol. 340, No. 6138. pp. 1346-1349.

Kalimeri, Maria ; Constantoudis, Vassilios ; Papadimitriou, Constantinos ; Karamanos, Konstantinos ; Diakonos, Fotis K. ; Papageorgiou, Haris. / **Entropy analysis of word-length series of natural language texts : Effects of text language and genre**. In: INTERNATIONAL JOURNAL OF BIFURCATION AND CHAOS. 2012 ; Vol. 22, No. 9.

Levin, Elena J. ; Cao, Yu ; Enkavi, Giray ; Quick, Matthias ; Pan, Yaping ; Tajkhorshid, Emad ; Zhou, Ming. / **Structure and permeation mechanism of a mammalian urea transporter**. In: Proceedings of the National Academy of Sciences of the United States of America. 2012 ; Vol. 109, No. 28. pp. 11194-11199.

Emmert-Streib, Frank ; De Matos Simoes, Ricardo ; Tripathi, Shailesh ; Glazko, Galina V. ; Dehmer, Matthias. / **A Bayesian analysis of the chromosome architecture of human disorders by integrating reductionist data**. In: Scientific Reports. 2012 ; Vol. 2.

Jungwirth, Pavel. / **Physical chemistry : Water's wafer-thin surface**. In: Nature. 2011 ; Vol. 474, No. 7350. pp. 168-169.