

Record 1

Title: The association of dispositional optimism and handedness with pressure pain: A cross-sectional study in the general population

Author(s): Miljkovic, A (Miljkovic, Ana); Pribisalic, A (Pribisalic, Ajka); Gelemanovic, A (Gelemanovic, Andrea); Lasic, D (Lasic, Davor); Hayward, C (Hayward, Caroline); Polasek, O (Polasek, Ozren); Kolcic, I (Kolcic, Ivana)

Source: PERSONALITY AND INDIVIDUAL DIFFERENCES **Volume:** 185 **Article Number:** 111265 **DOI:** 10.1016/j.paid.2021.111265 **Published:** FEB 2022

Accession Number: WOS:000704804700011

Document Type: Article

Record 2

Title: The effect of food groups and nutrients on thyroid hormone levels in healthy individuals

Author(s): Brdar, D (Brdar, Dubravka); Gunjaca, I (Gunjaca, Ivana); Pleic, N (Pleic, Nikolina); Torlak, V (Torlak, Vesela); Knezevic, P (Knezevic, Petra); Punda, A (Punda, Ante); Polasek, O (Polasek, Ozren); Hayward, C (Hayward, Caroline); Zemunik, T (Zemunik, Tatijana)

Source: NUTRITION **Volume:** 91-92 **Article Number:** 111394 **DOI:** 10.1016/j.nut.2021.111394 **Published:** NOV-DEC 2021

Accession Number: WOS:000701986200026

Document Type: Article

Record 3

Title: Targeting B cells in the pre-phase of systemic autoimmunity globally interferes with autoimmune pathology

Author(s): Werner, A (Werner, Anja); Schafer, S (Schafer, Simon); Zaytseva, O (Zaytseva, Olga); Albert, H (Albert, Heike); Lux, A (Lux, Anja); Kristic, J (Kristic, Jasminka); Pezer, M (Pezer, Marija); Lauc, G (Lauc, Gordan); Winkler, T (Winkler, Thomas); Nimmerjahn, F (Nimmerjahn, Falk)

Source: ISCIENCE **Volume:** 24 **Issue:** 9 **Article Number:** 103076 **DOI:** 10.1016/j.isci.2021.103076 **Published:** SEP 24 2021

Accession Number: WOS:000698069100134

Document Type: Article

Record 4

Title: The novel anionic surfactant selective sensors based on newly synthesized quaternary ammonium salts as ionophores

Author(s): Samardzic, M (Samardzic, Mirela); Budetic, M (Budetic, Mateja); Szechenyi, A (Szechenyi, Aleksandar); Markovic, D (Markovic, Dean); Zivkovic, P (Zivkovic, Pavo); Sarkanj, B (Sarkanj, Bojan); Jozanovic, M (Jozanovic, Marija)

Source: SENSORS AND ACTUATORS B-CHEMICAL **Volume:** 343 **Article Number:** 130103 **DOI:** 10.1016/j.snb.2021.130103 **Published:** SEP 15 2021

Accession Number: WOS:000663571700003

Document Type: Article

Record 5

Title: Formation of spermatogonia and fertile oocytes in golden hamsters requires piRNAs

Author(s): Loubalova, Z (Loubalova, Zuzana); Fulka, H (Fulka, Helena); Horvat, F (Horvat, Filip); Pasulka, J (Pasulka, Josef); Malik, R (Malik, Radek); Hirose, M (Hirose, Michiko); Ogura, A (Ogura, Atsuo); Svoboda, P (Svoboda, Petr)

Source: NATURE CELL BIOLOGY **Volume:** 23 **Issue:** 9 **Pages:** 992-+ **DOI:** 10.1038/s41556-021-00746-2 **Early Access Date:** SEP 2021 **Published:** SEP 2021

Accession Number: WOS:000692985400002

Document Type: Article

Record 6

Title: Low-pressure chromatographic separation and UV/Vis spectrophotometric characterization of the native and desialylated human apo-transferrin

Author(s): Friganovic, T (Friganovic, Tomislav); Tomasic, A (Tomasic, Antonela); Seba, T (Seba, Tino); Birus, I (Birus, Ivan); Kerep, R (Kerep, Robert); Borko, V (Borko, Valentina); Sakic, D (Sakic, Davor); Gabricevic, M (Gabricevic, Mario); Weitner, T (Weitner, Tin)

Source: HELIYON **Volume:** 7 **Issue:** 9 **Article Number:** e08030 **DOI:** 10.1016/j.heliyon.2021.e08030 **Published:** SEP 2021

Accession Number: WOS:000704442300035

Document Type: Article

Record 7

Title: Robustness and repeatability of GlycoWorks RapiFluor-MS IgG N-glycan profiling in a long-term high-throughput glycomic study

Author(s): Deris, H (Deris, Helena); Cindric, A (Cindric, Ana); Lauber, M (Lauber, Matthew); Petrovic, T (Petrovic, Tea); Bielik, A (Bielik, Alicia); Taron, CH (Taron, Christopher H.); van Wingerden, M (van Wingerden, Marleen); Lauc, G (Lauc, Gordan); Trbojevic-Akmacic, I (Trbojevic-Akmacic, Irena)

Source: GLYCOBIOLOGY **Volume:** 31 **Issue:** 9 **Pages:** 1062-1067 **DOI:** 10.1093/glycob/cwab050 **Published:** SEP 2021

Accession Number: WOS:000702149500002

Document Type: Article

Record 8

Title: The effect of n-3 polyunsaturated fatty acids-enriched hen eggs consumption on IgG and total plasma protein N-glycosylation in healthy individuals and cardiovascular patients

Author(s): Stupin, A (Stupin, Ana); Cvetko, A (Cvetko, Ana); Kralik, G (Kralik, Gordana); Mihalj, M (Mihalj, Martina); Susnjara, P (Susnjara, Petar); Kolobaric, N (Kolobaric, Nikolina); Curic, ZB (Curic, Zeljka Breskic); Lukinac, AM (Lukinac, Ana Marija); Kibel, A (Kibel, Aleksandar); Selthofer-Relatic, K (Selthofer-Relatic, Kristina); Jukic, I (Jukic, Ivana); Stupin, M (Stupin, Marko); Kolar, L (Kolar, Luka); Kralik, Z (Kralik, Zlata); Grcevic, M (Grcevic, Manuela); Galovic, O (Galovic, Olivera); Mihaljevic, Z (Mihaljevic, Zrinka); Matic, A (Matic, Anita); Juranic, B (Juranic, Brankica); Gornik, O (Gornik, Olga); Lauc, G (Lauc, Gordan); Drenjancevic, I (Drenjancevic, Ines)

Source: GLYCOBIOLOGY **Volume:** 31 **Issue:** 9 **Pages:** 1163-1175 **DOI:** 10.1093/glycob/cwab051 **Published:** SEP 2021

Accession Number: WOS:000702149500011

Document Type: Article

Record 9

Title: Plasma N-glycome shows continuous deterioration as the diagnosis of insulin resistance approaches

Author(s): Cvetko, A (Cvetko, Ana); Mangino, M (Mangino, Massimo); Tijardovic, M (Tijardovic, Marko); Kifer, D (Kifer, Domagoj); Falchi, M (Falchi, Mario); Keser, T (Keser, Toma); Perola, M (Perola, Markus); Spector, TD (Spector, Tim D.); Lauc, G (Lauc, Gordan); Menni, C (Menni, Cristina); Gornik, O (Gornik, Olga)

Source: BMJ OPEN DIABETES RESEARCH & CARE **Volume:** 9 **Issue:** 1 **Article Number:** e002263 **DOI:** 10.1136/bmjdr-2021-002263 **Published:** SEP 2021

Accession Number: WOS:000698498800005

Document Type: Article

Record 10

Title: High-throughput rat immunoglobulin G N-glycosylation profiling revealed subclass-specific changes associated with chronic stress

Author(s): Habazin, S (Habazin, Sinisa); Mlinarevic, D (Mlinarevic, Drazen); Balog, M (Balog, Marta); Bardak, A (Bardak, Ana); Gaspar, R (Gaspar, Robert); Szucs, KF (Szucs, Kalman Ferenc); Vari, SG (Vari, Sandor G.); Vuckovic, F (Vuckovic, Frano); Lauc, G (Lauc, Gordan); Novokmet, M (Novokmet, Mislav); Heffer, M (Heffer, Marija)

Source: JOURNAL OF PROTEOMICS **Volume:** 245 **Article Number:** 104293 **DOI:** 10.1016/j.jprot.2021.104293 **Published:** AUG 15 2021

Accession Number: WOS:000672857600003

Document Type: Article

Record 11

Title: Does Each Menstrual Cycle Elicit a Distinct Effect on Olfactory and Gustatory Perception?

Author(s): Stanic, Z (Stanic, Zana); Pribisalic, A (Pribisalic, Ajka); Boskovic, M (Boskovic, Maria); Cvitanic, JB (Bucan Cvitanic, Jasna); Boban, K (Boban, Kristina); Baskovic, G (Baskovic, Gabriela); Bartulic, A (Bartulic, Antonija); Demo, S (Demo, Suzana); Polasek, O (Polasek, Ozren); Kolcic, I (Kolcic, Ivana)

Source: NUTRIENTS **Volume:** 13 **Issue:** 8 **Article Number:** 2509 **DOI:** 10.3390/nu13082509 **Published:** AUG 2021

Accession Number: WOS:000689853300001

Document Type: Article

Record 12

Title: Effects of n-3 Polyunsaturated Fatty Acid-Enriched Hen Egg Consumption on the Inflammatory Biomarkers and Microvascular Function in Patients with Acute and Chronic Coronary Syndrome-A Randomized Study

Author(s): Curic, ZB (Curic, Zeljka Breskic); Masle, AM (Masle, Ana Marija); Kibel, A (Kibel, Aleksandar); Selthofer-Relatic, K (Selthofer-Relatic, Kristina); Stupin, A (Stupin, Ana); Mihaljevic, Z (Mihaljevic, Zrinka); Jukic, I (Jukic, Ivana); Stupin, M (Stupin, Marko); Matic, A (Matic, Anita); Kozina, N (Kozina, Natasa); Susnjara, P (Susnjara, Petar); Juranic, B (Juranic, Brankica); Kolobaric, N (Kolobaric, Nikolina); Seric, V (Seric, Vatroslav); Drenjancevic, I (Drenjancevic, Ines)

Source: BIOLOGY-BASEL **Volume:** 10 **Issue:** 8 **Article Number:** 774 **DOI:** 10.3390/biology10080774 **Published:** AUG 2021

Accession Number: WOS:000688929200001

Document Type: Article

Record 13

Title: Rapid COVID-19 Antigen Testing in Croatia: Risk Perception Plays an Important Role in the Epidemic Control

Author(s): Primorac, D (Primorac, Dragan); Peric, V (Peric, Vitorio); Maticic, V (Maticic, Vid); Molnar, V (Molnar, Vilim); Zadro, R (Zadro, Renata); Vince, A (Vince, Adriana); Lauc, G (Lauc, Gordan); Polasek, O (Polasek, Ozren)

Source: FRONTIERS IN PUBLIC HEALTH **Volume:** 9 **Article Number:** 708907 **DOI:** 10.3389/fpubh.2021.708907 **Published:** JUL 27 2021

Accession Number: WOS:000683291500001

Document Type: Article

Record 14

Title: Multivariate genome-wide analysis of immunoglobulin G N-glycosylation identifies new loci pleiotropic with immune function

Author(s): Shadrina, AS (Shadrina, Alexandra S.); Zlobin, AS (Zlobin, Alexander S.); Zaytseva, OO (Zaytseva, Olga O.); Klaric, L (Klaric, Lucija); Sharapov, SZ (Sharapov, Sodbo Z.); Pakhomov, ED (Pakhomov, Eugene D.); Perola, M (Perola, Marcus); Esko, T (Esko, Tonu); Hayward, C (Hayward, Caroline); Wilson, JF (Wilson, James F.); Lauc, G (Lauc, Gordan); Aulchenko, YS (Aulchenko, Yurii S.); Tsepilov, YA (Tsepilov, Yakov A.)

Source: HUMAN MOLECULAR GENETICS **Volume:** 30 **Issue:** 13 **Pages:** 1259-1270 **DOI:** 10.1093/hmg/ddab072 **Published:** JUL 1 2021

Accession Number: WOS:000670929100007

Document Type: Article

Record 15

Title: Carnosine, Small but Mighty-Prospect of Use as Functional Ingredient for Functional Food Formulation

Author(s): Jukic, I (Jukic, Ivana); Kolobaric, N (Kolobaric, Nikolina); Stupin, A (Stupin, Ana); Matic, A (Matic, Anita); Kozina, N (Kozina, Natasa); Mihaljevic, Z (Mihaljevic, Zrinka); Mihalj, M (Mihalj, Martina); Susnjara, P (Susnjara, Petar); Stupin, M (Stupin, Marko); Curic, ZB (Curic, Zeljka Breskic); Selthofer-Relatic, K (Selthofer-Relatic, Kristina); Kibel, A (Kibel, Aleksandar); Lukinac, A (Lukinac, Anamarija); Kolar, L (Kolar, Luka); Kralik, G (Kralik, Gordana); Kralik, Z (Kralik, Zlata); Szechenyi, A (Szechenyi, Aleksandar); Jozanovic, M (Jozanovic, Marija); Galovic, O (Galovic, Olivera); Medvidovic-Kosanovic, M (Medvidovic-Kosanovic, Martina); Drenjancevic, I (Drenjancevic, Ines)

Source: ANTIOXIDANTS **Volume:** 10 **Issue:** 7 **Article Number:** 1037 **DOI:** 10.3390/antiox10071037 **Published:** JUL 2021

Accession Number: WOS:000678147600001

Document Type: Review

Record 16

Title: Glycosylation of IgG Associates with Hypertension and Type 2 Diabetes Mellitus Comorbidity in the Chinese Muslim Ethnic Minorities and the Han Chinese

Author(s): Meng, XN (Meng, Xiaoni); Song, MS (Song, Manshu); Vilaj, M (Vilaj, Marija); Stambuk, J (Stambuk, Jerko); Dolikun, M (Dolikun, Mamatyusupu); Zhang, J (Zhang, Jie); Liu, D (Liu, Di); Wang, H (Wang, Hao); Zhang, XY (Zhang, Xiaoyu); Zhang, JX (Zhang, Jinxia); Cao, WJ (Cao, Weijie); Momcilovic, A (Momcilovic, Ana); Trbojevic-Akmacic, I (Trbojevic-Akmacic, Irena); Li, XG (Li, Xingang); Zheng, DQ (Zheng, Deqiang); Wu, LJ (Wu, Lijuan); Guo, XH (Guo, Xiuhua); Wang, YX (Wang, Youxin); Lauc, G (Lauc, Gordan); Wang, W (Wang, Wei)

Source: JOURNAL OF PERSONALIZED MEDICINE **Volume:** 11 **Issue:** 7 **Article Number:** 614 **DOI:** 10.3390/jpm11070614 **Published:** JUL 2021

Accession Number: WOS:000676219900001

Document Type: Article

Record 17

Title: Multiomics Profiling Reveals Signatures of Dysmetabolism in Urban Populations in Central India

Author(s): Monaghan, TM (Monaghan, Tanya M.); Biswas, RN (Biswas, Rima N.); Nashine, RR (Nashine, Rupam R.); Joshi, SS (Joshi, Samidha S.); Mullish, BH (Mullish, Benjamin H.); Seekatz, AM (Seekatz, Anna M.); Blanco, JM (Blanco, Jesus Miguens); McDonald, JAK (McDonald, Julie A. K.); Marchesi, JR (Marchesi, Julian R.); Yau, TO (Yau, Tung On); Christodoulou, N (Christodoulou, Niki); Hatziapostolou, M (Hatziapostolou, Maria); Pucic-Bakovic, M (Pucic-Bakovic, Maja); Vuckovic, F (Vuckovic, Frano); Klicek, F (Klicek, Filip); Lauc, G (Lauc, Gordan); Xue, N (Xue, Ning); Dottorini, T (Dottorini, Tania); Ambalkar, S (Ambalkar, Shrikant); Satav, A (Satav, Ashish); Polytarchou, C (Polytarchou, Christos); Acharjee, A (Acharjee, Animesh); Kashyap, RS (Kashyap, Rajpal Singh)

Source: MICROORGANISMS **Volume:** 9 **Issue:** 7 **Article Number:** 1485 **DOI:** 10.3390/microorganisms9071485 **Published:** JUL 2021

Accession Number: WOS:000676500600001

Document Type: Article

Record 18

Title: N-glycans as functional effectors of genetic and epigenetic disease risk

Author(s): Stambuk, T (Stambuk, Tamara); Klasic, M (Klasic, Marija); Zoldos, V (Zoldos, Vlatka); Lauc, G (Lauc, Gordan)

Source: MOLECULAR ASPECTS OF MEDICINE **Volume:** 79 **Special Issue:** SI **Article Number:** 100891 **DOI:** 10.1016/j.mam.2020.100891 **Published:** JUN 2021

Accession Number: WOS:000662997900007

Document Type: Review

Record 19

Title: Dietary Intake of n-3 PUFA-Enriched Hen Eggs Changes Inflammatory Markers' Concentration and Treg/Th17 Cells Distribution in Blood of Young Healthy Adults-A Randomised Study

Author(s): Kolobaric, N (Kolobaric, Nikolina); Drenjancevic, I (Drenjancevic, Ines); Matic, A (Matic, Anita); Susnjara, P (Susnjara, Petar); Mihaljevic, Z (Mihaljevic, Zrinka); Mihalj, M (Mihalj, Martina)

Source: NUTRIENTS **Volume:** 13 **Issue:** 6 **Article Number:** 1851 **DOI:** 10.3390/nu13061851 **Published:** JUN 2021

Accession Number: WOS:000666489400001

Document Type: Article

Record 20

Title: Effects of Estradiol on Immunoglobulin G Glycosylation: Mapping of the Downstream Signaling Mechanism

Author(s): Mijakovac, A (Mijakovac, Anika); Juric, J (Juric, Julija); Kohrt, WM (Kohrt, Wendy M.); Kristic, J (Kristic, Jasminka); Kifer, D (Kifer, Domagoj); Gavin, KM (Gavin, Kathleen M.); Miskec, K (Miskec, Karlo); Frkatovic, A (Frkatovic, Azra); Vuckovic, F (Vuckovic, Frano); Pezer, M (Pezer, Marija); Vojta, A (Vojta, Aleksandar); Nigrovic, PA (Nigrovic, Peter A.); Zoldos, V (Zoldos, Vlatka); Lauc, G (Lauc, Gordan)

Source: FRONTIERS IN IMMUNOLOGY **Volume:** 12 **Article Number:** 680227 **DOI:** 10.3389/fimmu.2021.680227 **Published:** MAY 25 2021

Accession Number: WOS:000658796100001

Document Type: Article

Record 21

Title: Post-natal developmental changes in the composition of the rat neocortical N-glycome

Author(s): Klaric, TS (Klaric, Thomas S.); Salopek, M (Salopek, Matija); Micek, V (Micek, Vedran); Kljaic, OG (Kljaic, Olga Gornik); Lauc, G (Lauc, Gordan)

Source: GLYCOBIOLOGY **Volume:** 31 **Issue:** 5 **Pages:** 636-648 **DOI:** 10.1093/glycob/cwaa108 **Published:** MAY 2021

Accession Number: WOS:000670922900012

Document Type: Article

Record 22

Title: A new solid-state anionic surfactant-selective sensor based on functionalized MWCNT

Author(s): Budetic, M (Budetic, Mateja); Samardzic, M (Samardzic, Mirela); Ravnjak, G (Ravnjak, Gabriela); Dandic, A (Dandic, Andrea); Zivkovic, P (Zivkovic, Pavo); Szechenyi, A (Szechenyi, Aleksandar)

Source: TALANTA **Volume:** 226 **Article Number:** 122196 **DOI:** 10.1016/j.talanta.2021.122196 **Published:** MAY 2021

Accession Number: WOS:000656959000082

Document Type: Article

Record 23

Title: Composition of the immunoglobulin G glycome associates with the severity of COVID-19

Author(s): Petrovic, T (Petrovic, Tea); Alves, I (Alves, Ines); Bugada, D (Bugada, Dario); Pascual, J (Pascual, Julio); Vuckovic, F (Vuckovic, Frano); Skelin, A (Skelin, Andrea); Gaifem, J (Gaifem, Joana); Villar-Garcia, J (Villar-Garcia, Judit); Vicente, MM (Vicente, Manuel M.); Fernandes, A (Fernandes, Angela); Dias, AM (Dias, Ana M.); Kurolt, IC (Kurolt, Ivan-Christian); Markotic, A (Markotic, Alemka); Primorac, D (Primorac, Dragan); Soares, A (Soares, Adriana); Malheiro, L (Malheiro, Luis); Trbojevic-Akmacic, I (Trbojevic-Akmacic, Irena); Abreu, M (Abreu, Miguel); Castro, RSE (Castro, Rui Sarmento E.); Bettinelli, S (Bettinelli, Silvia); Callegaro, A (Callegaro, Annapaola); Arosio, M (Arosio, Marco); Sangiorgio, L (Sangiorgio, Lorena); Lorini, LF (Lorini, Luca F.); Castells, X (Castells, Xavier); Horcajada, JP (Horcajada, Juan P.); Pinho, SS (Pinho, Salome S.); Allegri, M (Allegri, Massimo); Barrios, C (Barrios, Clara); Lauc, G (Lauc, Gordan)

Source: GLYCOBIOLOGY **Volume:** 31 **Issue:** 4 **Pages:** 372-377 **DOI:** 10.1093/glycob/cwaa102 **Published:** APR 2021

Accession Number: WOS:000680830700004

Document Type: Article

Record 24

Title: Replication of 15 loci involved in human plasma protein N-glycosylation in 4802 samples from four cohorts

Author(s): Sharapov, SZ (Sharapov, Sodbo Z.); Shadrina, AS (Shadrina, Alexandra S.); Tsepilov, YA (Tsepilov, Yakov A.); Elgaeva, EE (Elgaeva, Elizaveta E.); Tiys, ES (Tiys, Evgeny S.); Feoktistova, SG (Feoktistova, Sofya G.); Zaytseva, OO (Zaytseva, Olga O.); Vuckovic, F (Vuckovic, Frano); Cuadrat, R (Cuadrat, Rafael); Jager, S (Jaeger, Susanne); Wittenbecher, C (Wittenbecher, Clemens); Karszen, LC (Karszen, Lennart C.); Timofeeva, M (Timofeeva, Maria); Tillin, T (Tillin, Therese); Trbojevic-Akmacic, I (Trbojevic-Akmacic, Irena); Stambuk, T (Stambuk, Tamara); Rudman, N (Rudman, Najda); Kristic, J (Kristic, Jasminka); Simunovic, J (Simunovic, Jelena); Momcilovic, A (Momcilovic, Ana); Vilaj, M (Vilaj, Marija); Juric, J (Juric, Julija); Slana, A (Slana, Anita); Gudelj, I (Gudelj, Ivan); Klaric, T (Klaric, Thomas); Puljak, L (Puljak, Livia); Skelin, A (Skelin, Andrea); Kadic, AJ (Kadic, Antonia Jelacic); Van Zundert, J (Van Zundert, Jan); Chaturvedi, N (Chaturvedi, Nishi); Campbell, H (Campbell, Harry); Dunlop, M (Dunlop, Malcolm); Farrington, SM (Farrington, Susan M.); Doherty, M (Doherty, Margaret); Dagostino, C (Dagostino, Concetta); Gieger, C (Gieger, Christian); Allegri, M (Allegri, Massimo); Williams, F (Williams, Frances); Schulze, MB (Schulze, Matthias B.); Lauc, G (Lauc, Gordan); Aulchenko, YS (Aulchenko, Yurii S.)

Source: GLYCOBIOLOGY **Volume:** 31 **Issue:** 2 **Pages:** 82-88 **DOI:** 10.1093/glycob/cwaa053 **Published:** FEB 2021

Accession Number: WOS:000649460100001

Document Type: Article

Record 25

Title: Effects of Environmental Factors on Severity and Mortality of COVID-19

Author(s): Kifer, D (Kifer, Domagoj); Bugada, D (Bugada, Dario); Villar-Garcia, J (Villar-Garcia, Judit); Gudelj, I (Gudelj, Ivan); Menni, C (Menni, Cristina); Sudre, C (Sudre, Carole); Vuckovic, F (Vuckovic, Frano); Ugrina, I (Ugrina, Ivo); Lorini, LF (Lorini, Luca F.); Posso, M (Posso, Margarita); Bettinelli, S (Bettinelli, Silvia); Ughi, N (Ughi, Nicola); Maloberti, A (Maloberti, Alessandro); Epis, O (Epis, Oscar); Giannattasio, C (Giannattasio, Cristina); Rossetti, C (Rossetti, Claudio); Kalogjera, L (Kalogjera, Livije); Persec, J (Persec, Jasminka); Ollivere, L (Ollivere, Luke); Ollivere, BJ (Ollivere, Benjamin J.); Yan, HD (Yan, Huadong); Cai, T (Cai, Ting); Aithal, GP (Aithal, Guruprasad P.); Steves, CJ (Steves, Claire J.); Kantele, A (Kantele, Anu); Kajova, M (Kajova, Mikael); Vapalahti, O (Vapalahti, Olli); Sajantila, A (Sajantila, Antti); Wojtowicz, R (Wojtowicz, Rafal); Wierzba, W (Wierzba, Waldemar); Krol, Z (Krol, Zbigniew); Zaczynski, A (Zaczynski, Artur); Zycinska, K (Zycinska, Katarina); Postula, M (Postula, Marek); Luksic, I (Luksic, Ivica); Civljak, R (Civljak, Rok); Markotic, A (Markotic, Alemka); Brachmann, J (Brachmann, Johannes); Markl, A (Markl, Andreas); Mahnkopf, C (Mahnkopf, Christian); Murray, B (Murray, Benjamin); Ourselin, S (Ourselin, Sebastien); Valdes, AM (Valdes, Ana M.); Horcajada, JP (Horcajada, Juan P.); Castells, X (Castells, Xavier); Pascual, J (Pascual, Julio); Allegri, M (Allegri, Massimo); Primorac, D (Primorac, Dragan); Spector, TD (Spector, Tim D.); Barrios, C (Barrios, Clara); Lauc, G (Lauc, Gordan)

Source: FRONTIERS IN MEDICINE **Volume:** 7 **Article Number:** 607786 **DOI:** 10.3389/fmed.2020.607786 **Published:** JAN 20 2021

Accession Number: WOS:000614084300001

Document Type: Article

Record 26

Title: Quantitative Genetics of Human Protein N-Glycosylation

Author(s): Kristic, J (Kristic, Jasminka); Sharapov, SZ (Sharapov, Sodbo Zh.); Aulchenko, YS (Aulchenko, Yurii S.)

Edited by: Lauc G; TrbojevicAkmacic I

Source: ROLE OF GLYCOSYLATION IN HEALTH AND DISEASE **Book Series:** Advances in Experimental Medicine and Biology **Volume:** 1325 **Pages:** 151-171 **DOI:** 10.1007/978-3-030-70115-4_7 **Published:** 2021

Accession Number: WOS:000703726500008

Document Type: Article; Book Chapter

Book DOI: 10.1007/978-3-030-70115-4

Record 27

Title: The Importance of Glycosylation in COVID-19 Infection

Author(s): Petrovic, T (Petrovic, Tea); Lauc, G (Lauc, Gordan); Trbojevic-Akmacic, I (Trbojevic-Akmacic, Irena)

Edited by: Lauc G; TrbojevicAkmacic I

Source: ROLE OF GLYCOSYLATION IN HEALTH AND DISEASE **Book Series:** Advances in Experimental Medicine and Biology **Volume:** 1325 **Pages:** 239-264 **DOI:** 10.1007/978-3-030-70115-4_12 **Published:** 2021

Accession Number: WOS:000703726500013

Document Type: Article; Book Chapter

Book DOI: 10.1007/978-3-030-70115-4

Record 28

Title: Protein Glycosylation in Diabetes

Author(s): Stambuk, T (Stambuk, Tamara); Gornik, O (Gornik, Olga)

Edited by: Lauc G; TrbojevicAkmacic I

Source: ROLE OF GLYCOSYLATION IN HEALTH AND DISEASE **Book Series:** Advances in Experimental Medicine and Biology **Volume:** 1325 **Pages:** 285-305 **DOI:** 10.1007/978-3-030-70115-4_14 **Published:** 2021

Accession Number: WOS:000703726500015

Document Type: Article; Book Chapter

Book DOI: 10.1007/978-3-030-70115-4

Record 29

Title: Glycosylation and Aging

Author(s): Cindric, A (Cindric, Ana); Kristic, J (Kristic, Jasminka); Kavur, MM (Kavur, Marina Martinic); Pezer, M (Pezer, Marija)

Edited by: Lauc G; TrbojevicAkmacic I

Source: ROLE OF GLYCOSYLATION IN HEALTH AND DISEASE **Book Series:** Advances in Experimental Medicine and Biology **Volume:** 1325 **Pages:** 341-373 **DOI:** 10.1007/978-3-030-70115-4_17 **Published:** 2021

Accession Number: WOS:000703726500018

Document Type: Article; Book Chapter

Book DOI: 10.1007/978-3-030-70115-4

Record 30

Title: MANAGEMENT AND ECONOMIC ANALYSES OF PRODUCING TABLE EGGS

Author(s): Kralik, I (Kralik, Igor); Kralik, G (Kralik, Gordana)

Edited by: Barkovic D; Dernoscheg KH; Erceg A; Glavas J; Pap N; Runzheimer B; Wentzel D

Source: INTERDISCIPLINARY MANAGEMENT RESEARCH XVII (IMR 2021) **Book Series:** Interdisciplinary Management Research-Interdisziplinare Managementforschung **Pages:** 307-320 **Published:** 2021

Accession Number: WOS:000681139700015

Document Type: Proceedings Paper

Record 31

Title: High-Throughput and Site-Specific N-Glycosylation Analysis of Human Alpha-1-Acid Glycoprotein Offers a Great Potential for New Biomarker Discovery

Author(s): Keser, T (Keser, Toma); Tijardovic, M (Tijardovic, Marko); Gornik, I (Gornik, Ivan); Lukic, E (Lukic, Edita); Lauc, G (Lauc, Gordan); Gornik, O (Gornik, Olga); Novokmet, M (Novokmet, Mislav)

Source: MOLECULAR & CELLULAR PROTEOMICS **Volume:** 20 **Article Number:** 100044 **DOI:** 10.1074/mcp.RA120.002433 **Published:** 2021

Accession Number: WOS:000651577500001

Document Type: Article

Record 32

Title: Evaluation of different PNGase F enzymes in immunoglobulin G and total plasma N-glycans analysis

Author(s): Vilaj, M (Vilaj, Marija); Lauc, G (Lauc, Gordan); Trbojevic-Akmacic, I (Trbojevic-Akmacic, Irena)

Source: GLYCOBIOLOGY **Volume:** 31 **Issue:** 1 **Pages:** 2-7 **DOI:** 10.1093/glycob/cwaa047 **Published:** JAN 2021

Accession Number: WOS:000646869000001

Document Type: Article

Record 33

Title: Optimizing the diagnostic capacity for COVID-19 PCR testing for low resource and high demand settings: The development of information-dependent pooling protocol

Author(s): Vukicevic, D (Vukicevic, Damir); Polasek, O (Polasek, Ozren)

Source: JOURNAL OF GLOBAL HEALTH **Volume:** 10 **Issue:** 2 **Article Number:** 020515 **DOI:** 10.7189/jogh.10.020515 **Published:** DEC 2020

Accession Number: WOS:000612476300168

Document Type: Article

Record 34

Title: Anthropometric and Biochemical Parameters in Relation to Dietary Habits as Early Indicator of Cardiovascular Impairment in Young Adult Cohort

Author(s): Kolobaric, N (Kolobaric, Nikolina); Centner, MG (Centner, Maja Gradinjan); Susnjara, P (Susnjara, Petar); Matic, A (Matic, Anita); Drenjancevic, I (Drenjancevic, Ines)

Source: INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH **Volume:** 17 **Issue:** 24 **Article Number:** 9208 **DOI:** 10.3390/ijerph17249208 **Published:** DEC 2020

Accession Number: WOS:000602793100001

Document Type: Article

Record 35

Title: N-glycosylation analysis of mouse immunoglobulin G isolated from dried blood spots

Author(s): Patenaude, AM (Patenaude, Anne-Marie); Erhardt, J (Erhardt, Julija); Hennig, R (Hennig, Rene); Rapp, E (Rapp, Erdmann); Lauc, G (Lauc, Gordan); Pezer, M (Pezer, Marija)

Source: ELECTROPHORESIS **DOI:** 10.1002/elps.202000249 **Early Access Date:** NOV 2020

Accession Number: WOS:000591271400001

Document Type: Article; Early Access

Record 36

Title: Effects of estradiol on biological age measured using the glycan age index

Author(s): Juric, J (Juric, Julija); Kohrt, WM (Kohrt, Wendy M.); Kifer, D (Kifer, Domagoj); Gavin, KM (Gavin, Kathleen M.); Pezer, M (Pezer, Marija); Nigrovic, PA (Nigrovic, Peter A.); Lauc, G (Lauc, Gordan)

Source: AGING-US **Volume:** 12 **Issue:** 19 **Pages:** 19756-19765 **DOI:** 10.18632/aging.104060 **Published:** OCT 15 2020

Accession Number: WOS:000581094800062

Document Type: Article

Record 37

Title: A strategy to incorporate prior knowledge into correlation network cutoff selection

Author(s): Benedetti, E (Benedetti, Elisa); Pucic-Bakovic, M (Pucic-Bakovic, Maja); Keser, T (Keser, Toma); Gerstner, N (Gerstner, Nathalie); Buyukozkan, M (Bueyuekoezkan, Mustafa); Stambuk, T (Stambuk, Tamara); Selman, MHJ (Selman, Maurice H. J.); Rudan, I (Rudan, Igor); Polasek, O (Polasek, Ozren); Hayward, C (Hayward, Caroline); Al-Amin, H (Al-Amin, Hassen); Suhre, K (Suhre, Karsten); Kastenmuller, G (Kastenmueller, Gabi); Lauc, G (Lauc, Gordan); Krumsiek, J (Krumsiek, Jan)

Source: NATURE COMMUNICATIONS **Volume:** 11 **Issue:** 1 **Article Number:** 5153 **DOI:** 10.1038/s41467-020-18675-3 **Published:** OCT 14 2020

Accession Number: WOS:000582680100002

Document Type: Article

Record 38

Title: Glycosylation Alterations in Multiple Sclerosis Show Increased Proinflammatory Potential

Author(s): Cvetko, A (Cvetko, Ana); Kifer, D (Kifer, Domagoj); Gornik, O (Gornik, Olga); Klaric, L (Klaric, Lucija); Visser, E (Visser, Elizabeth); Lauc, G (Lauc, Gordan); Wilson, JF (Wilson, James F.); Stambuk, T (Stambuk, Tamara)

Source: BIOMEDICINES **Volume:** 8 **Issue:** 10 **Article Number:** 410 **DOI:** 10.3390/biomedicines8100410 **Published:** OCT 2020

Accession Number: WOS:000584011600001

Document Type: Article

Record 39

Title: Leukocyte Activation and Antioxidative Defense Are Interrelated and Moderately Modified by n-3 Polyunsaturated Fatty Acid-Enriched Eggs Consumption-Double-Blind Controlled Randomized Clinical Study

Author(s): Mihalj, M (Mihalj, Martina); Stupin, A (Stupin, Ana); Kolobaric, N (Kolobaric, Nikolina); Bujak, IT (Tartaro Bujak, Ivana); Matic, A (Matic, Anita); Kralik, Z (Kralik, Zlata); Jukic, I (Jukic, Ivana); Stupin, M (Stupin, Marko); Drenjancevic, I (Drenjancevic, Ines)

Source: NUTRIENTS **Volume:** 12 **Issue:** 10 **Article Number:** 3122 **DOI:** 10.3390/nu12103122 **Published:** OCT 2020

Accession Number: WOS:000582854600001

Document Type: Article

Record 40

Title: Global variability of the human IgG glycome

Author(s): Stambuk, J (Stambuk, Jerko); Nakic, N (Nakic, Natali); Vuckovic, F (Vuckovic, Frano); Pucic-Bakovic, M (Pucic-Bakovic, Maja); Razdorov, G (Razdorov, Genadij); Trbojevic-Akmacic, I (Trbojevic-Akmacic, Irena); Novokmet, M (Novokmet, Mislav); Keser, T (Keser, Toma); Vilaj, M (Vilaj, Marija); Stambuk, T (Stambuk, Tamara); Gudelj, I (Gudelj, Ivan); Simurina, M (Simurina, Mirna); Song, MS (Song, Manshu); Wang, H (Wang, Hao); Salihovic, MP (Salihovic, Marijana Pericic); Campbell, H (Campbell, Harry); Rudan, I (Rudan, Igor); Kolcic, I (Kolcic, Ivana); Eller, LA (Eller, Leigh Anne); McKeigue, P (McKeigue, Paul); Robb, ML (Robb, Merlin L.); Halfvarson, J (Halfvarson, Jonas); Kurtoglu, M (Kurtoglu, Metin); Annese, V (Annese, Vito); Skaric-Juric, T (Skaric-Juric, Tatjana); Molokhia, M (Molokhia, Mariam); Polasek, O (Polasek, Ozren); Hayward, C (Hayward, Caroline); Kibuuka, H (Kibuuka, Hannah); Thaqi, K (Thaqi, Kujtim); Primorac, D (Primorac, Dragan); Gieger, C (Gieger, Christian); Nitayaphan, S (Nitayaphan, Sorachai); Spector, T (Spector, Tim); Wang, YX (Wang, Youxin); Tillin, T (Tillin, Therese); Chaturvedi, N (Chaturvedi, Nish); Wilson, JF (Wilson, James F.); Schanfield, M (Schanfield, Moses); Filipenko, M (Filipenko, Maxim); Wang, W (Wang, Wei); Lauc, G (Lauc, Gordan)

Source: AGING-US **Volume:** 12 **Issue:** 15 **Pages:** 15222-15259 **Published:** AUG 15 2020

Accession Number: WOS:000567845800004

Document Type: Article

Record 41

Title: Systematic Evaluation of Normalization Methods for Glycomics Data Based on Performance of Network Inference

Author(s): Benedetti, E (Benedetti, Elisa); Gerstner, N (Gerstner, Nathalie); Pucic-Bakovic, M (Pucic-Bakovic, Maja); Keser, T (Keser, Toma); Reiding, KR (Reiding, Karli R.); Ruhaak, LR (Ruhaak, L. Renee); Stambuk, T (Stambuk, Tamara); Selman, MHJ (Selman, Maurice H. J.); Rudan, I (Rudan, Igor); Polasek, O (Polasek, Ozren); Hayward, C (Hayward, Caroline); Beekman, M (Beekman, Marian); Slagboom, E (Slagboom, Eline); Wuhrer, M (Wuhrer, Manfred); Dunlop, MG (Dunlop, Malcolm G.); Lauc, G (Lauc, Gordan); Krumsiek, J (Krumsiek, Jan)

Source: METABOLITES **Volume:** 10 **Issue:** 7 **Article Number:** 271 **DOI:** 10.3390/metabo10070271 **Published:** JUL 2020

Accession Number: WOS:000556424600001

Document Type: Article

Record 42

Title: Fighting COVID-19 with water

Author(s): Lauc, G (Lauc, Gordan); Markotic, A (Markotic, Alemka); Gornik, I (Gornik, Ivan); Primorac, D (Primorac, Dragan)

Source: JOURNAL OF GLOBAL HEALTH **Volume:** 10 **Issue:** 1 **Article Number:** 010344 **DOI:** 10.7189/jogh.10.010344 **Published:** JUN 2020

Accession Number: WOS:000549898000051

Document Type: Editorial Material

Record 43

Title: Anti-Inflammatory Potential of n-3 Polyunsaturated Fatty Acids Enriched Hen Eggs Consumption in Improving Microvascular Endothelial Function of Healthy Individuals- Clinical Trial

Author(s): Stupin, A (Stupin, Ana); Mihalj, M (Mihalj, Martina); Kolobaric, N (Kolobaric, Nikolina); Susnjara, P (Susnjara, Petar); Kolar, L (Kolar, Luka); Mihaljevic, Z (Mihaljevic, Zrinka); Matic, A (Matic, Anita); Stupin, M (Stupin, Marko); Jukic, I (Jukic, Ivana); Kralik, Z (Kralik, Zlata); Grcevic, M (Grcevic, Manuela); Kralik, G (Kralik, Gordana); Seric, V (Seric, Vatroslav); Drenjancevic, I (Drenjancevic, Ines)

Source: INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES **Volume:** 21 **Issue:** 11 **Article Number:** 4149 **DOI:** 10.3390/ijms21114149 **Published:** JUN 2020
Accession Number: WOS:000543400300411

Document Type: Article

Record 44

Title: Decreased Immunoglobulin G Core Fucosylation, A Player in Antibody-dependent Cell-mediated Cytotoxicity, is Associated with Autoimmune Thyroid Diseases

Author(s): Martin, TC (Martin, Tiphaine C.); Simurina, M (Simurina, Mirna); Zabczynska, M (Zabczynska, Marta); Kavur, MM (Kavur, Marina Martinic); Rydlewska, M (Rydlewska, Magdalena); Pezer, M (Pezer, Marija); Korlowska, K (Korlowska, Kamila); Burri, A (Burri, Andrea); Vilaj, M (Vilaj, Marija); Turek-Jabrocka, R (Turek-Jabrocka, Renata); Krnjajic-Tadijanovic, M (Krnjajic-Tadijanovic, Milena); Trofimiuk-Muldner, M (Trofimiuk-Muldner, Malgorzata); Ugrina, I (Ugrina, Ivo); Litynska, A (Litynska, Anna); Hubalewska-Dydejczyk, A (Hubalewska-Dydejczyk, Alicja); Trbojevic-Akmacic, I (Trbojevic-Akmacic, Irena); Lim, EM (Lim, Ee Mun); Walsh, JP (Walsh, John P.); Pohec, E (Pohec, Ewa); Spector, TD (Spector, Tim D.); Wilson, SG (Wilson, Scott G.); Lauc, G (Lauc, Gordan)

Source: MOLECULAR & CELLULAR PROTEOMICS **Volume:** 19 **Issue:** 5 **Pages:** 774-792 **DOI:** 10.1074/mcp.RA119.001860 **Published:** MAY 2020

Accession Number: WOS:000531414300003

Document Type: Article

Record 45

Title: A precise and versatile platform for rapid glycosylation analysis of brain tissue

Author(s): Vacchini, M (Vacchini, Mattia); Cipolla, L (Cipolla, Laura); Gornik, O (Gornik, Olga); Lauc, G (Lauc, Gordan); Klaric, T (Klaric, Thomas)

Source: ANALYTICAL METHODS **Volume:** 12 **Issue:** 13 **Pages:** 1786-1797 **DOI:** 10.1039/c9ay02596k **Published:** APR 7 2020

Accession Number: WOS:000526708700011

Document Type: Article

Record 46

Title: The most abundant maternal lncRNA Sirena1 acts post-transcriptionally and impacts mitochondrial distribution

Author(s): Ganesh, S (Ganesh, Sravya); Horvat, F (Horvat, Filip); Drutovic, D (Drutovic, David); Efenberkova, M (Efenberkova, Michaela); Pinkas, D (Pinkas, Dominik); Jindrova, A

(Jindrova, Anna); Pasulka, J (Pasulka, Josef); Iyyappan, R (Iyyappan, Rajan); Malik, R (Malik, Radek); Susor, A (Susor, Andrej); Vlahovicek, K (Vlahovicek, Kristian); Solc, P (Solc, Petr); Svoboda, P (Svoboda, Petr)

Source: NUCLEIC ACIDS RESEARCH **Volume:** 48 **Issue:** 6 **Pages:** 3211-3227 **DOI:** 10.1093/nar/gkz1239 **Published:** APR 6 2020

Accession Number: WOS:000525957500035

Document Type: Article

Record 47

Title: Searching for carbonylome biomarkers of aging - development and validation of the proteomic method for quantification of carbonylated protein in human plasma

Author(s): Radman, S (Radman, Sanja); Raic, S (Raic, Sanda); Bucan, I (Bucan, Ivona); Pribisalic, A (Pribisalic, Ajka); Dunatov, J (Dunatov, Josipa); Mudnic, I (Mudnic, Ivana); Boban, M (Boban, Mladen); Pelly, FX (Pelly, Francois Xavier); Kolcic, I (Kolcic, Ivana); Polasek, O (Polasek, Ozren)

Source: CROATIAN MEDICAL JOURNAL **Volume:** 61 **Issue:** 2 **Pages:** 119-125 **DOI:** 10.3325/cmj.2020.61.119 **Published:** APR 2020

Accession Number: WOS:000537836100007

Document Type: Article

Record 48

Title: The Association between Salt Taste Perception, Mediterranean Diet and Metabolic Syndrome: A Cross-Sectional Study

Author(s): Vecek, NN (Vecek, Nikolina Nika); Mucalo, L (Mucalo, Lana); Dragun, R (Dragun, Ruzica); Milicevic, T (Milicevic, Tanja); Pribisalic, A (Pribisalic, Ajka); Patarcic, I (Patarcic, Inga); Hayward, C (Hayward, Caroline); Polasek, O (Polasek, Ozren); Kolcic, I (Kolcic, Ivana)

Source: NUTRIENTS **Volume:** 12 **Issue:** 4 **Article Number:** 1164 **DOI:** 10.3390/nu12041164 **Published:** APR 2020

Accession Number: WOS:000531831300284

Document Type: Article

Record 49

Title: Feeding to Produce n-3 Fatty Acid-enriched Table Eggs

Author(s): Kralik, G (Kralik, Gordana); Grcevic, M (Grcevic, Manuela); Hanzek, D (Hanzek, Danica); Margeta, P (Margeta, Polona); Galovic, O (Galovic, Olivera); Kralik, Z (Kralik, Zlata)

Source: JOURNAL OF POULTRY SCIENCE **Volume:** 57 **Issue:** 2 **Pages:** 138-147 **DOI:** 10.2141/jpsa.0190076 **Published:** APR 2020

Accession Number: WOS:000526035000006

Document Type: Article

Record 50

Title: Fc-Linked IgG N-Glycosylation in Fc gamma R Knock-Out Mice

Author(s): Zaytseva, OO (Zaytseva, Olga O.); Seeling, M (Seeling, Michaels); Kristic, J (Kristic, Jasminka); Lauc, G (Lauc, Gordan); Pezer, M (Pezer, Marija); Nimmerjahn, F (Nimmerjahn, Falk)

Source: FRONTIERS IN CELL AND DEVELOPMENTAL BIOLOGY **Volume:** 8 **Article Number:** 67 **DOI:** 10.3389/fcell.2020.00067 **Published:** MAR 3 2020

Accession Number: WOS:000525089500001

Document Type: Article

Record 51

Title: Plasma N-Glycans as Emerging Biomarkers of Cardiometabolic Risk: A Prospective Investigation in the EPIC-Potsdam Cohort Study

Author(s): Wittenbecher, C (Wittenbecher, Clemens); Stambuk, T (Stambuk, Tamara); Kuxhaus, O (Kuxhaus, Olga); Rudman, N (Rudman, Najda); Vuckovic, F (Vuckovic, Frano); Stambuk, J (Stambuk, Jerko); Schiborn, C (Schiborn, Catarina); Rahelic, D (Rahelic, Dario); Dietrich, S (Dietrich, Stefan); Gornik, O (Gornik, Olga); Perola, M (Perola, Markus); Boeing, H (Boeing, Heiner); Schulze, MB (Schulze, Matthias B.); Lauc, G (Lauc, Gordan)

Source: DIABETES CARE **Volume:** 43 **Issue:** 3 **Pages:** 661-668 **DOI:** 10.2337/dc19-1507 **Published:** MAR 2020

Accession Number: WOS:000517984600028

Document Type: Article

Record 52

Title: A deep learning system accurately classifies primary and metastatic cancers using passenger mutation patterns

Author(s): Jiao, W (Jiao, Wei); Atwal, G (Atwal, Gurnit); Polak, P (Polak, Paz); Karlic, R (Karlic, Rosa); Cuppen, E (Cuppen, Edwin); Danyi, A (Danyi, Alexandra); de Ridder, J (de Ridder, Jeroen); van Herpen, C (van Herpen, Carla); Lolkema, MP (Lolkema, Martijn P.); Steeghs, N (Steeghs, Neeltje); Getz, G (Getz, Gad); Morris, Q (Morris, Quaid); Stein, LD (Stein, Lincoln D.)

Group Author(s): PCAWG Tumor Subtypes Clinical Tran; PCAWG Consortium

Source: NATURE COMMUNICATIONS **Volume:** 11 **Issue:** 1 **Article Number:** 728 **DOI:** 10.1038/s41467-019-13825-8 **Published:** FEB 5 2020

Accession Number: WOS:000513499700010

Document Type: Article

Record 53

Title: Glycosylation of immunoglobulin G is regulated by a large network of genes pleiotropic with inflammatory diseases

Author(s): Klaric, L (Klaric, Lucija); Tsepilov, YA (Tsepilov, Yakov A.); Stanton, CM (Stanton, Chloe M.); Mangino, M (Mangino, Massimo); Sikka, TT (Sikka, Timo Tonis); Esko, T (Esko, Tonu); Pakhomov, E (Pakhomov, Eugene); Salo, P (Salo, Perttu); Deelen, J (Deelen, Joris); McGurnaghan, SJ (McGurnaghan, Stuart J.); Keser, T (Keser, Toma); Vuckovic, F (Vuckovic, Frano); Ugrina, I (Ugrina, Ivo); Kristic, J (Kristic, Jasminka); Gudelj, I (Gudelj, Ivan); Stambuk, J (Stambuk, Jerko); Plomp, R (Plomp, Rosina); Pucic-Bakovic, M (Pucic-Bakovic, Maja); Pavic, T (Pavic, Tamara); Vilaj, M (Vilaj, Marija); Trbojevic-Akmacic, I (Trbojevic-Akmacic, Irena); Drake, C (Drake, Camilla); Dobrinic, P

(Dobrinic, Paula); Mlinarec, J (Mlinarec, Jelena); Jelusic, B (Jelusic, Barbara); Richmond, A (Richmond, Anne); Timofeeva, M (Timofeeva, Maria); Grishchenko, AK (Grishchenko, Alexander K.); Dmitrieva, J (Dmitrieva, Julia); Bermingham, ML (Bermingham, Mairead L.); Sharapov, SZ (Sharapov, Sodbo Zh); Farrington, SM (Farrington, Susan M.); Theodoratou, E (Theodoratou, Evropi); Uh, HW (Uh, Hae-Won); Beekman, M (Beekman, Marian); Slagboom, EP (Slagboom, Eline P.); Louis, E (Louis, Edouard); Georges, M (Georges, Michel); Wuhrer, M (Wuhrer, Manfred); Colhoun, HM (Colhoun, Helen M.); Dunlop, MG (Dunlop, Malcolm G.); Perola, M (Perola, Markus); Fischer, K (Fischer, Krista); Polasek, O (Polasek, Ozren); Campbell, H (Campbell, Harry); Rudan, I (Rudan, Igor); Wilson, JF (Wilson, James F.); Zoldos, V (Zoldos, Vlatka); Vitart, V (Vitart, Veronique); Spector, T (Spector, Tim); Aulchenko, YS (Aulchenko, Yurii S.); Lauc, G (Lauc, Gordan); Hayward, C (Hayward, Caroline)

Source: SCIENCE ADVANCES **Volume:** 6 **Issue:** 8 **Article Number:** eaax0301 **DOI:** 10.1126/sciadv.aax0301 **Published:** FEB 2020

Accession Number: WOS:000514842000005

Document Type: Article

Record 54

Title: Minimal B Cell Extrinsic IgG Glycan Modifications of Pro- and Anti-Inflammatory IgG Preparations in vivo

Author(s): Schaffert, A (Schaffert, Anja); Hanic, M (Hanic, Maja); Novokmet, M (Novokmet, Mislav); Zaytseva, O (Zaytseva, Olga); Kristic, J (Kristic, Jasminka); Lux, A (Lux, Anja); Nitschke, L (Nitschke, Lars); Peipp, M (Peipp, Matthias); Pezer, M (Pezer, Marija); Hennig, R (Hennig, Rene); Rapp, E (Rapp, Erdmann); Lauc, G (Lauc, Gordan); Nimmerjahn, F (Nimmerjahn, Falk)

Source: FRONTIERS IN IMMUNOLOGY **Volume:** 10 **Article Number:** 3024 **DOI:** 10.3389/fimmu.2019.03024 **Published:** JAN 9 2020

Accession Number: WOS:000508893700001

Document Type: Article

Record 55

Title: THE EFFECT OF VEGETABLE OILS AND THE FISH OIL ON THE FATTY ACID PROFILE IN EGG YOLKS

Author(s): Kralik, G (Kralik, G.); Kralik, Z (Kralik, Z.); Hanzek, D (Hanzek, D.)

Source: POLJOPRIVREDA **Volume:** 26 **Issue:** 2 **Pages:** 79-87 **DOI:** 10.18047/poljo.26.2.10 **Published:** 2020

Accession Number: WOS:000598771300010

Document Type: Article

Record 56

Title: ENRICHMENT OF TABLE EGGS WITH LUTEIN

Author(s): Kralik, G (Kralik, G.); Kralik, Z (Kralik, Z.); Grcevic, M (Grcevic, M.); Hanzek, D (Hanzek, D.); Margeta, P (Margeta, P.); Galovic, O (Galovic, O.)

Source: POLJOPRIVREDA **Volume:** 26 **Issue:** 1 **Pages:** 56-63 **DOI:** 10.18047/poljo.26.1.8 **Published:** 2020

Accession Number: WOS:000543549900008

Document Type: Article

Record 57

Title: Intense Physical Exercise Induces an Anti-inflammatory Change in IgG N-Glycosylation Profile

Author(s): Tijardovic, M (Tijardovic, Marko); Marijancevic, D (Marijancevic, Domagoj); Bok, D (Bok, Daniel); Kifer, D (Kifer, Domagoj); Lauc, G (Lauc, Gordan); Gornik, O (Gornik, Olga); Keser, T (Keser, Toma)

Source: FRONTIERS IN PHYSIOLOGY **Volume:** 10 **Article Number:** 1522 **DOI:** 10.3389/fphys.2019.01522 **Published:** DEC 20 2019

Accession Number: WOS:000505493200001

Document Type: Article

Record 58

Title: Supplementation With the Sialic Acid Precursor N-Acetyl-D-Mannosamine Breaks the Link Between Obesity and Hypertension

Author(s): Peng, J (Peng, Jun); Vongpatanasin, W (Vongpatanasin, Wanpen); Sacharidou, A (Sacharidou, Anastasia); Kifer, D (Kifer, Domagoj); Yuhanna, IS (Yuhanna, Ivan S.); Banerjee, S (Banerjee, Subhashis); Tanigaki, K (Tanigaki, Keiji); Polasek, O (Polasek, Ozren); Chu, HY (Chu, Haiyan); Sundgren, NC (Sundgren, Nathan C.); Rohatgi, A (Rohatgi, Anand); Chambliss, KL (Chambliss, Ken L.); Lauc, G (Lauc, Gordan); Mineo, C (Mineo, Chieko); Shaul, PW (Shaul, Philip W.)

Source: CIRCULATION **Volume:** 140 **Issue:** 24 **Pages:** 2005-2018 **DOI:** 10.1161/CIRCULATIONAHA.119.043490 **Published:** DEC 10 2019

Accession Number: WOS:000508367200017

Document Type: Article

Record 59

Title: Restricted and non-essential redundancy of RNAi and piRNA pathways in mouse oocytes

Author(s): Taborska, E (Taborska, Eliska); Pasulka, J (Pasulka, Josef); Malik, R (Malik, Radek); Horvat, F (Horvat, Filip); Jenickova, I (Jenickova, Irena); Matosevic, ZJ (Matosevic, Zoe Jelic); Svoboda, P (Svoboda, Petr)

Source: PLOS GENETICS **Volume:** 15 **Issue:** 12 **Article Number:** e1008261 **DOI:** 10.1371/journal.pgen.1008261 **Published:** DEC 2019

Accession Number: WOS:000512336600004

Document Type: Article

Record 60

Title: Comprehensive N-glycosylation analysis of immunoglobulin G from dried blood spots

Author(s): Simunovic, J (Simunovic, Jelena); Vilaj, M (Vilaj, Marija); Trbojevic-Akmacic, I (Trbojevic-Akmacic, Irena); Momcilovic, A (Momcilovic, Ana); Vuckovic, F (Vuckovic, Frano); Gudelj, I (Gudelj, Ivan); Juric, J (Juric, Julija); Nakic, N (Nakic, Natali); Lauc, G (Lauc, Gordan); Pezer, M (Pezer, Marija)

Source: GLYCOBIOLOGY **Volume:** 29 **Issue:** 12 **Pages:** 817-821 **DOI:** 10.1093/glycob/cwz061 **Published:** DEC 2019

Accession Number: WOS:000504309400001

Document Type: Article

Record 61

Title: Microalgae Schizochytrium limacinum as an alternative to fish oil in enriching table eggs with n-3 polyunsaturated fatty acids

Author(s): Kralik, Z (Kralik, Zlata); Kralik, G (Kralik, Gordana); Grcevic, M (Grcevic, Manuela); Hanzek, D (Hanzek, Danica); Margeta, P (Margeta, Polonca)

Source: JOURNAL OF THE SCIENCE OF FOOD AND AGRICULTURE **Volume:** 100 **Issue:** 2 **Pages:** 587-594 **DOI:** 10.1002/jsfa.10052 **Early Access Date:** NOV 2019 **Published:** JAN 30 2020

Accession Number: WOS:000498248100001

Document Type: Article

Record 62

Title: Why Not Use the Immunoglobulin G N-Glycans as Predictor Variables in Disease Biomarker-Phenotype Association Studies? A Multivariate Analysis

Author(s): Russell, AC (Russell, Alyce C.); Kepka, A (Kepka, Agnieszka); Trbojevic-Akmacic, I (Trbojevic-Akmacic, Irena); Ugrina, I (Ugrina, Ivo); Song, MS (Song, Manshu); Hui, J (Hui, Jennie); Hunter, M (Hunter, Michael); Laws, SM (Laws, Simon M.); Lauc, G (Lauc, Gordan); Wang, W (Wang, Wei)

Source: OMICS-A JOURNAL OF INTEGRATIVE BIOLOGY **Volume:** 23 **Issue:** 12 **Special Issue:** SI **Pages:** 668-670 **DOI:** 10.1089/omi.2019.0155 **Early Access Date:** OCT 2019 **Published:** DEC 2019

Accession Number: WOS:000492777800001

Document Type: Letter

Record 63

Title: Antagonistic and synergistic epigenetic modulation using orthologous CRISPR/dCas9-based modular system

Author(s): Josipovic, G (Josipovic, Goran); Tadic, V (Tadic, Vanja); Klasic, M (Klasic, Marija); Zanki, V (Zanki, Vladimir); Beceheli, I (Beceheli, Ivona); Chung, F (Chung, Felicia); Ghantous, A (Ghantous, Akram); Keser, T (Keser, Toma); Madunic, J (Madunic, Josip); Boskovic, M (Boskovic, Maria); Lauc, G (Lauc, Gordan); Herceg, Z (Herceg, Zdenko); Vojta, A (Vojta, Aleksandar); Zoldos, V (Zoldos, Vlatka)

Source: NUCLEIC ACIDS RESEARCH **Volume:** 47 **Issue:** 18 **Pages:** 9637-9657 **DOI:** 10.1093/nar/gkz709 **Published:** OCT 10 2019

Accession Number: WOS:000491241400023

Document Type: Article

Record 64

Title: Utilization of N-glycosylation profiles as risk stratification biomarkers for suboptimal health status and metabolic syndrome in a Ghanaian population

Author(s): Adua, E (Adua, Eric); Memarian, E (Memarian, Elham); Russell, A (Russell, Alyce); Trbojevic-Akmacic, I (Trbojevic-Akmacic, Irena); Gudelj, I (Gudelj, Ivan); Juric, J (Juric, Julija); Roberts, P (Roberts, Peter); Lauc, G (Lauc, Gordan); Wang, W (Wang, Wei)

Source: BIOMARKERS IN MEDICINE **Volume:** 13 **Issue:** 15 **Pages:** 1273-1287 **DOI:** 10.2217/bmm-2019-0005 **Published:** OCT 2019

Accession Number: WOS:000490579500004

Document Type: Article

Record 65

Title: Inflammatory bowel disease - glycomics perspective

Author(s): Hanic, M (Hanic, Maja); Trbojevic-Akmacic, I (Trbojevic-Akmacic, Irena); Lauc, G (Lauc, Gordan)

Source: BIOCHIMICA ET BIOPHYSICA ACTA-GENERAL SUBJECTS **Volume:** 1863 **Issue:** 10 **Pages:** 1595-1601 **DOI:** 10.1016/j.bbagen.2019.07.001 **Published:** OCT 2019

Accession Number: WOS:000480670300015

Document Type: Review

Record 66

Title: Spatially clustered loci with multiple enhancers are frequent targets of HIV-1 integration

Author(s): Lucic, B (Lucic, Bojana); Chen, HC (Chen, Heng-Chang); Kuzman, M (Kuzman, Maja); Zorita, E (Zorita, Eduard); Wegner, J (Wegner, Julia); Minneker, V (Minneker, Vera); Wang, W (Wang, Wei); Fronza, R (Fronza, Raffaele); Laufs, S (Laufs, Stefanie); Schmidt, M (Schmidt, Manfred); Stadhouders, R (Stadhouders, Ralph); Roukos, V (Roukos, Vassilis); Vlahovicek, K (Vlahovicek, Kristian); Filion, GJ (Filion, Guillaume J.); Lusic, M (Lusic, Marina)

Source: NATURE COMMUNICATIONS **Volume:** 10 **Article Number:** 4059 **DOI:** 10.1038/s41467-019-12046-3 **Published:** SEP 6 2019

Accession Number: WOS:000484599900009

Document Type: Article

Record 67

Title: The Physiological Effect of n-3 Polyunsaturated Fatty Acids (n-3 PUFAs) Intake and Exercise on Hemorheology, Microvascular Function, and Physical Performance in Health and Cardiovascular Diseases; Is There an Interaction of Exercise and Dietary n-3 PUFA Intake?

Author(s): Stupin, M (Stupin, Marko); Kibel, A (Kibel, Aleksander); Stupin, A (Stupin, Ana); Selthofer-Relatic, K (Selthofer-Relatic, Kristina); Matic, A (Matic, Anita); Mihalj, M (Mihalj, Martina); Mihaljevic, Z (Mihaljevic, Zrinka); Jukic, I (Jukic, Ivana); Drenjancevic, I (Drenjancevic, Ines)

Source: FRONTIERS IN PHYSIOLOGY **Volume:** 10 **Article Number:** 1129 **DOI:** 10.3389/fphys.2019.01129 **Published:** AUG 30 2019

Accession Number: WOS:000483336000001

Document Type: Review

Record 68

Title: Glycomics for Type 2 Diabetes Biomarker Discovery: Promise of Immunoglobulin G Subclass-Specific Fragment Crystallizable N-glycosylation in the Uyghur Population

Author(s): Liu, JN (Liu, Jiaonan); Dolikun, M (Dolikun, Mamatyusupu); Stambuk, J (Stambuk, Jerko); Trbojevic-Akmacic, I (Trbojevic-Akmacic, Irena); Zhang, J (Zhang, Jie); Zhang, JX (Zhang, Jinxia); Wang, H (Wang, Hao); Meng, XN (Meng, Xiaoni); Razdorov, G (Razdorov, Genadij); Menon, D (Menon, Desmond); Zheng, DQ (Zheng, Deqiang); Wu, LJ (Wu, Lijuan); Wang, YX (Wang, Youxin); Song, MS (Song, Manshu); Lauc, G (Lauc, Gordan); Wang, W (Wang, Wei)

Source: OMICS-A JOURNAL OF INTEGRATIVE BIOLOGY **Volume:** 23 **Issue:** 12 **Special Issue:** SI **Pages:** 640-648 **DOI:** 10.1089/omi.2019.0052 **Early Access Date:** AUG 2019 **Published:** DEC 2019

Accession Number: WOS:000481126500001

Document Type: Article

Record 69

Title: Quality and oxidative stability of eggs laid by hens fed marigold extract supplemented diet

Author(s): Grcevic, M (Grcevic, Manuela); Kralik, Z (Kralik, Zlata); Kralik, G (Kralik, Gordana); Galovic, D (Galovic, Dalida); Radisic, Z (Radisic, Zarko); Hanzek, D (Hanzek, Danica)

Source: POULTRY SCIENCE **Volume:** 98 **Issue:** 8 **Pages:** 3338-3344 **DOI:** 10.3382/ps/pez134 **Published:** AUG 2019

Accession Number: WOS:000482205500028

Document Type: Article

Record 70

Title: Altered N-glycosylation profiles as potential biomarkers and drug targets in diabetes

Author(s): Rudman, N (Rudman, Najda); Gornik, O (Gornik, Olga); Lauc, G (Lauc, Gordan)

Source: FEBS LETTERS **Volume:** 593 **Issue:** 13 **Special Issue:** SI **Pages:** 1598-1615 **DOI:** 10.1002/1873-3468.13495 **Early Access Date:** JUN 2019 **Published:** JUL 2019

Accession Number: WOS:000476217500001

Document Type: Review

Record 71

Title: Defining the genetic control of human blood plasma N-glycome using genome-wide association study

Author(s): Sharapov, SZ (Sharapov, Sodbo Zh.); Tsepilov, YA (Tsepilov, Yakov A.); Klaric, L (Klaric, Lucija); Mangino, M (Mangino, Massimo); Thareja, G (Thareja, Gaurav); Shadrina, AS (Shadrina, Alexandra S.); Simurina, M (Simurina, Mirna); Dagostino, C (Dagostino, Concetta); Dmitrieva, J (Dmitrieva, Julia); Vilaj, M (Vilaj, Marija); Vuckovic, F (Vuckovic, Frano); Pavic, T (Pavic, Tamara); Stambuk, J (Stambuk, Jerko); Trbojevic-

Akmacic, I (Trbojevic-Akmacic, Irena); Kristic, J (Kristic, Jasminka); Simunovic, J (Simunovic, Jelena); Momcilovic, A (Momcilovic, Ana); Campbell, H (Campbell, Harry); Doherty, M (Doherty, Margaret); Dunlop, MG (Dunlop, Malcolm G.); Farrington, SM (Farrington, Susan M.); Pucic-Bakovic, M (Pucic-Bakovic, Maja); Gieger, C (Gieger, Christian); Allegri, M (Allegri, Massimo); Louis, E (Louis, Edouard); Georges, M (Georges, Michel); Suhre, K (Suhre, Karsten); Spector, T (Spector, Tim); Williams, FMK (Williams, Frances M. K.); Lauc, G (Lauc, Gordan); Aulchenko, YS (Aulchenko, Yurii S.)

Source: HUMAN MOLECULAR GENETICS **Volume:** 28 **Issue:** 12 **Pages:** 2062-2077 **DOI:** 10.1093/hmg/ddz054 **Published:** JUN 15 2019

Accession Number: WOS:000475887900010

Document Type: Article

Record 72

Title: Immunophenotyping of a Stromal Vascular Fraction from Microfragmented Lipoaspirate Used in Osteoarthritis Cartilage Treatment and Its Lipoaspirate Counterpart

Author(s): Polancec, D (Polancec, Denis); Zenic, L (Zenic, Lucija); Hudetz, D (Hudetz, Damir); Boric, I (Boric, Igor); Jelec, Z (Jelec, Zeljko); Rod, E (Rod, Eduard); Vrdoljak, T (Vrdoljak, Trpimir); Skelin, A (Skelin, Andrea); Plecko, M (Plecko, Mihovil); Turkalj, M (Turkalj, Mirjana); Nogalo, B (Nogalo, Boro); Primorac, D (Primorac, Dragan)

Source: GENES **Volume:** 10 **Issue:** 6 **Article Number:** 474 **DOI:** 10.3390/genes10060474 **Published:** JUN 2019

Accession Number: WOS:000473797000069

Document Type: Article

Record 73

Title: Molecular Pathways Mediating Immunosuppression in Response to Prolonged Intensive Physical Training, Low-Energy Availability, and Intensive Weight Loss

Author(s): Sarin, HV (Sarin, Heikki V.); Gudelj, I (Gudelj, Ivan); Honkanen, J (Honkanen, Jarno); Ihalainen, JK (Ihalainen, Johanna K.); Vuorela, A (Vuorela, Arja); Lee, JH (Lee, Joseph H.); Jin, Z (Jin, Zhenzhen); Terwilliger, JD (Terwilliger, Joseph D.); Isola, V (Isola, Ville); Ahtiainen, JP (Ahtiainen, Juha P.); Hakkinen, K (Hakkinen, Keijo); Juric, J (Juric, Julija); Lauc, G (Lauc, Gordan); Kristiansson, K (Kristiansson, Kati); Hulmi, JJ (Hulmi, Juha J.); Perola, M (Perola, Markus)

Source: FRONTIERS IN IMMUNOLOGY **Volume:** 10 **Article Number:** 907 **DOI:** 10.3389/fimmu.2019.00907 **Published:** MAY 3 2019

Accession Number: WOS:000467332500001

Document Type: Article

Record 74

Title: Glycosylation of human plasma lipoproteins reveals a high level of diversity, which directly impacts their functional properties

Author(s): Sukhorukov, V (Sukhorukov, Vasily); Gudelj, I (Gudelj, Ivan); Pucic-Bakovic, M (Pucic-bakovic, Maja); Zakiev, E (Zakiev, Emile); Orekhov, A (Orekhov, Alexander); Kontush, A (Kontush, Anatol); Lauc, G (Lauc, Gordan)

Source: BIOCHIMICA ET BIOPHYSICA ACTA-MOLECULAR AND CELL BIOLOGY OF LIPIDS **Volume:** 1864 **Issue:** 5 **Pages:** 643-653 **DOI:** 10.1016/j.bbalip.2019.01.005 **Published:** MAY 2019
Accession Number: WOS:000463123300004
Document Type: Article

Record 75

Title: Effects of dietary marigold extract on lutein content, yolk color and fatty acid profile of omega-3 eggs

Author(s): Grcevic, M (Grcevic, Manuela); Kralik, Z (Kralik, Zlata); Kralik, G (Kralik, Gordana); Galovic, O (Galovic, Olivera)

Source: JOURNAL OF THE SCIENCE OF FOOD AND AGRICULTURE **Volume:** 99 **Issue:** 5 **Pages:** 2292-2299 **DOI:** 10.1002/jsfa.9425 **Published:** MAR 30 2019

Accession Number: WOS:000459322700026

Document Type: Article

Record 76

Title: Qualitative characteristics of fatty acid profile in fresh and boiled n-3 PUFA enriched eggs

Author(s): Kralik, G (Kralik, Gordana); Kralik, Z (Kralik, Zlata); Grcevic, M (Grcevic, Manuela); Hanzek, D (Hanzek, Danica)

Source: JOURNAL OF CENTRAL EUROPEAN AGRICULTURE **Volume:** 20 **Issue:** 3 **Pages:** 802-808 **DOI:** 10.5513/JCEA01/20.3.2488 **Published:** 2019

Accession Number: WOS:000485091900005

Document Type: Article

Record 77

Title: IMPORTANCE OF SENSORY EVALUATION IN ASSESSMENT OF EGG QUALITY

Author(s): Margeta, P (Margeta, P.); Kralik, G (Kralik, G.); Grcevic, M (Grcevic, M.); Hanzek, D (Hanzek, D.); Kralik, Z (Kralik, Z.)

Source: POLJOPRIVREDA **Volume:** 25 **Issue:** 1 **Pages:** 56-63 **DOI:** 10.18047/poljo.25.1.8 **Published:** 2019

Accession Number: WOS:000471807500008

Document Type: Review

Record 78

Title: Increased central adiposity is associated with pro-inflammatory immunoglobulin G N-glycans

Author(s): Russell, AC (Russell, Alyce C.); Kepka, A (Kepka, Agnieszka); Trbojevic-Akmacic, I (Trbojevic-Akmacic, Irena); Ugrina, I (Ugrina, Ivo); Song, MS (Song, Manshu); Hui, JN (Hui, Jennie); Hunter, M (Hunter, Michael); Laws, SM (Laws, Simon M.); Lauc, G (Lauc, Gordan); Wang, W (Wang, Wei)

Source: IMMUNOBIOLOGY **Volume:** 224 **Issue:** 1 **Pages:** 110-115 **DOI:** 10.1016/j.imbio.2018.10.002 **Published:** JAN 2019

Accession Number: WOS:000460999400013

Document Type: Article

Record 79

Title: High throughput profiling of whole plasma N-glycans in type II diabetes mellitus patients and healthy individuals: A perspective from a Ghanaian population

Author(s): Adua, E (Adua, Eric); Memarian, E (Memarian, Elham); Russell, A (Russell, Alyce); Trbojevic-Akmacic, I (Trbojevic-Akmacic, Irena); Gudelj, I (Gudelj, Ivan); Juric, J (Juric, Julija); Roberts, P (Roberts, Peter); Lauc, G (Lauc, Gordan); Wang, W (Wang, Wei)

Source: ARCHIVES OF BIOCHEMISTRY AND BIOPHYSICS **Volume:** 661 **Pages:** 10-21 **DOI:** 10.1016/j.abb.2018.10.015 **Published:** JAN 2019

Accession Number: WOS:000456897000002

Document Type: Article

Record 80

Title: N-glycosylation patterns of plasma proteins and immunoglobulin G in chronic obstructive pulmonary disease

Author(s): Pavic, T (Pavic, Tamara); Dilber, D (Dilber, Dario); Kifer, D (Kifer, Domagoj); Selak, N (Selak, Najda); Keser, T (Keser, Toma); Ljubicic, D (Ljubicic, Divo); Dugac, AV (Dugac, Andrea Vukic); Lauc, G (Lauc, Gordan); Rumora, L (Rumora, Lada); Gornik, O (Gornik, Olga)

Source: JOURNAL OF TRANSLATIONAL MEDICINE **Volume:** 16 **Article Number:** 323 **DOI:** 10.1186/s12967-018-1695-0 **Published:** NOV 21 2018

Accession Number: WOS:000450943200003

Document Type: Article

Record 81

Title: Immunoglobulin G glycosylation in aging and diseases

Author(s): Gudelja, I (Gudelja, Ivan); Lame, G (Lame, Gordan); Pezer, M (Pezer, Marija)

Source: CELLULAR IMMUNOLOGY **Volume:** 333 **Special Issue:** SI **Pages:** 65-79 **DOI:** 10.1016/j.cellimm.2018.07.009 **Published:** NOV 2018

Accession Number: WOS:000453012900008

Document Type: Article

Record 82

Title: Effect of Amino Acids on Growth Performance, Carcass Characteristics, Meat Quality, and Carnosine Concentration in Broiler Chickens

Author(s): Kralik, G (Kralik, Gordana); Sak-Bosnar, M (Sak-Bosnar, Milan); Grcevic, M (Grcevic, Manuela); Kralik, Z (Kralik, Zlata)

Source: JOURNAL OF POULTRY SCIENCE **Volume:** 55 **Issue:** 4 **Pages:** 239-248 **DOI:** 10.2141/jpsa.0170083 **Published:** OCT 2018

Accession Number: WOS:000448908300002

Document Type: Article

Record 83

Title: Omega-3 polyunsaturated fatty acids-enriched hen eggs consumption enhances microvascular reactivity in young healthy individuals

Author(s): Stupin, A (Stupin, Ana); Rasic, L (Rasic, Lidija); Matic, A (Matic, Anita); Stupin, M (Stupin, Marko); Kralik, Z (Kralik, Ziata); Kralik, G (Kralik, Gordana); Grcevic, M (Grcevic, Manuela); Drenjancevic, I (Drenjancevic, Ines)

Source: APPLIED PHYSIOLOGY NUTRITION AND METABOLISM **Volume:** 43 **Issue:** 10 **Pages:** 988-995 **DOI:** 10.1139/apnm-2017-0735 **Published:** OCT 2018

Accession Number: WOS:000446419800003

Document Type: Article

Record 84

Title: Plasma N-glycome composition associates with chronic low back pain

Author(s): Trbojevic-Akmacic, I (Trbojevic-Akmacic, Irena); Vuckovic, F (Vuckovic, Frano); Vilaj, M (Vilaj, Marija); Skelin, A (Skelin, Andrea); Karssen, LC (Karssen, Lennart C.); Kristic, J (Kristic, Jasminka); Juric, J (Juric, Julija); Momcilovic, A (Momcilovic, Ana); Simunovic, J (Simunovic, Jelena); Mangino, M (Mangino, Massimo); De Gregori, M (De Gregori, Manuela); Marchesini, M (Marchesini, Maurizio); Dagostino, C (Dagostino, Concetta); Stambuk, J (Stambuk, Jerko); Novokmet, M (Novokmet, Mislav); Rauck, R (Rauck, Richard); Aulchenko, YS (Aulchenko, Yurii S.); Primorac, D (Primorac, Dragan); Kapural, L (Kapural, Leonardo); Buyse, K (Buyse, Klaas); Mesotten, D (Mesotten, Dieter); Williams, FMK (Williams, Frances M. K.); van Zundert, J (van Zundert, Jan); Allegri, M (Allegri, Massimo); Lauc, G (Lauc, Gordan)

Source: BIOCHIMICA ET BIOPHYSICA ACTA-GENERAL SUBJECTS **Volume:** 1862 **Issue:** 10 **Pages:** 2124-2133 **DOI:** 10.1016/j.bbagen.2018.07.003 **Published:** OCT 2018

Accession Number: WOS:000443665300002

Document Type: Article

Record 85

Title: MIgGGly (mouse IgG glycosylation analysis) - a high-throughput method for studying Fc-linked IgG N-glycosylation in mice with nanoUPLC-ESI-MS

Author(s): Zaytseva, OO (Zaytseva, Olga O.); Jansen, BC (Jansen, Bas C.); Hanic, M (Hanic, Maja); Mrcela, M (Mrcela, Mia); Razdorov, G (Razdorov, Genadij); Stojkovic, R (Stojkovic, Ranko); Erhardt, J (Erhardt, Julija); Brizic, I (Brizic, Ilija); Jonjic, S (Jonjic, Stipan); Pezer, M (Pezer, Marija); Lauc, G (Lauc, Gordan)

Source: SCIENTIFIC REPORTS **Volume:** 8 **Article Number:** 13688 **DOI:** 10.1038/s41598-018-31844-1 **Published:** SEP 12 2018

Accession Number: WOS:000444377500008

Document Type: Article

Record 86

Title: Heat-induced longevity in budding yeast requires respiratory metabolism and glutathione recycling

Author(s): Musa, M (Musa, Marina); Peric, M (Peric, Matea); Dib, PB (Dib, Peter Bou); Sobocanec, S (Sobocanec, Sandra); Saric, A (Saric, Ana); Lovric, A (Lovric, Anita); Rudan, M (Rudan, Marina); Nikolic, A (Nikolic, Andrea); Milosevic, I (Milosevic, Ira); Vlahovicek, K (Vlahovicek, Kristian); Raimundo, N (Raimundo, Nuno); Krisko, A (Krisko, Anita)

Source: AGING-US **Volume:** 10 **Issue:** 9 **Pages:** 2407-2427 **DOI:** 10.18632/aging.101560 **Published:** SEP 2018

Accession Number: WOS:000446095600023

Document Type: Article

Record 87

Title: Frontline Science Plasma and immunoglobulin G galactosylation associate with HIV persistence during antiretroviral therapy

Author(s): Vadrevu, SK (Vadrevu, Surya Kumari); Trbojevic-Akmacic, I (Trbojevic-Akmacic, Irena); Kossenkov, AV (Kossenkov, Andrew V.); Colomb, F (Colomb, Florent); Giron, LB (Giron, Leila B.); Anzurez, A (Anzurez, Alitzel); Lynn, K (Lynn, Kenneth); Mounzer, K (Mounzer, Karam); Landay, AL (Landay, Alan L.); Kaplan, RC (Kaplan, Robert C.); Papasavvas, E (Papasavvas, Emmanouil); Montaner, LJ (Montaner, Luis J.); Lauc, G (Lauc, Gordan); Abdel-Mohsen, M (Abdel-Mohsen, Mohamed)

Source: JOURNAL OF LEUKOCYTE BIOLOGY **Volume:** 104 **Issue:** 3 **Pages:** 461-471 **DOI:** 10.1002/JLB.3HI1217-500R **Published:** SEP 2018

Accession Number: WOS:000442850500004

Document Type: Article

Record 88

Title: Role of Cnot6l in maternal mRNA turnover

Author(s): Horvat, F (Horvat, Filip); Fulka, H (Fulka, Helena); Jankele, R (Jankele, Radek); Malik, R (Malik, Radek); Jun, M (Jun, Ma); Solcova, K (Solcova, Katerina); Sedlacek, R (Sedlacek, Radislav); Vlahovicek, K (Vlahovicek, Kristian); Schultz, RM (Schultz, Richard M.); Svoboda, P (Svoboda, Petr)

Source: LIFE SCIENCE ALLIANCE **Volume:** 1 **Issue:** 4 **Article Number:** e201800084 **DOI:** 10.26508/lsa.201800084 **Published:** AUG 2018

Accession Number: WOS:000457327700008

Document Type: Article

Record 89

Title: Comparison of 2-Aminobenzamide, Procainamide and RapiFluor-MS as Derivatizing Agents for High-Throughput HILIC-UPLC-FLR-MS N-glycan Analysis

Author(s): Keser, T (Keser, Toma); Pavic, T (Pavic, Tamara); Lauc, G (Lauc, Gordan); Gornik, O (Gornik, Olga)

Source: FRONTIERS IN CHEMISTRY **Volume:** 6 **Article Number:** 324 **DOI:** 10.3389/fchem.2018.00324 **Published:** JUL 26 2018

Accession Number: WOS:000439807800001

Document Type: Article

Record 90

Title: Promoter methylation of the MGAT3 and BACH2 genes correlates with the composition of the immunoglobulin G glycome in inflammatory bowel disease

Author(s): Klasic, M (Klasic, Marija); Markulin, D (Markulin, Dora); Vojta, A (Vojta, Aleksandar); Samarzija, I (Samarzija, Ivana); Birus, I (Birus, Ivan); Dobrinic, P (Dobrinic, Paula); Ventham, NT (Ventham, Nicholas T.); Trbojevic-Akmacic, I (Trbojevic-Akmacic, Irena); Simurina, M (Simurina, Mirna); Stambuk, J (Stambuk, Jerko); Razdorov, G (Razdorov, Genadij); Kennedy, NA (Kennedy, Nicholas A.); Satsangi, J (Satsangi, Jack); Dias, AM (Dias, Ana M.); Pinho, S (Pinho, Salome); Annese, V (Annese, Vito); Latiano, A (Latiano, Anna); D'Inca, R (D'Inca, Renata); Lauc, G (Lauc, Gordan); Zoldos, V (Zoldos, Vlatka)

Group Author(s): IBD Consortium

Source: CLINICAL EPIGENETICS **Volume:** 10 **Article Number:** 75 **DOI:** 10.1186/s13148-018-0507-y **Published:** JUN 4 2018

Accession Number: WOS:000434346500002

Document Type: Article

Record 91

Title: Protein N-Glycosylation in Cardiovascular Diseases and Related Risk Factors

Author(s): Gudelj, I (Gudelj, Ivan); Lauc, G (Lauc, Gordan)

Source: CURRENT CARDIOVASCULAR RISK REPORTS **Volume:** 12 **Issue:** 6 **Article Number:** 16 **DOI:** 10.1007/s12170-018-0579-4 **Published:** JUN 2018

Accession Number: WOS:000433710800001

Document Type: Article

Record 92

Title: Low galactosylation of IgG associates with higher risk for future diagnosis of rheumatoid arthritis during 10 years of follow-up

Author(s): Gudelj, I (Gudelj, Ivan); Salo, PP (Salo, Perttu P.); Trbojevic-Akmacic, I (Trbojevic-Akmacic, Irena); Albers, M (Albers, Malena); Primorac, D (Primorac, Dragan); Perola, M (Perola, Markus); Lauc, G (Lauc, Gordan)

Source: BIOCHIMICA ET BIOPHYSICA ACTA-MOLECULAR BASIS OF DISEASE **Volume:** 1864 **Issue:** 6 **Pages:** 2034-2039 **DOI:** 10.1016/j.bbadis.2018.03.018 **Part:** A **Published:** JUN 2018

Accession Number: WOS:000432105600004

Document Type: Article

Record 93

Title: Glycosylation Profile of Immunoglobulin G Is Cross-Sectionally Associated With Cardiovascular Disease Risk Score and Subclinical Atherosclerosis in Two Independent Cohorts

Author(s): Menni, C (Menni, Cristina); Gudelj, I (Gudelj, Ivan); Macdonald-Dunlop, E (Macdonald-Dunlop, Erin); Mangino, M (Mangino, Massimo); Zierer, J (Zierer, Jonas); Besic, E (Besic, Erim); Joshi, PK (Joshi, Peter K.); Trbojevic-Akmacic, I (Trbojevic-

Akmacic, Irena); Chowienczyk, PJ (Chowienczyk, Phil J.); Spector, TD (Spector, Tim D.); Wilson, JF (Wilson, James F.); Lauc, G (Lauc, Gordan); Valdes, AM (Valdes, Ana M.)

Source: CIRCULATION RESEARCH **Volume:** 122 **Issue:** 11 **Pages:** 1555-1564 **DOI:** 10.1161/CIRCRESAHA.117.312174 **Published:** MAY 25 2018

Accession Number: WOS:000435409500014

Document Type: Article

Record 94

Title: Profiling and genetic control of the murine immunoglobulin G glycome

Author(s): Kristic, J (Kristic, Jasminka); Zaytseva, OO (Zaytseva, Olga O.); Ram, R (Ram, Ramesh); Nguyen, Q (Quang Nguyen); Novokmet, M (Novokmet, Mislav); Vuckovic, F (Vuckovic, Frano); Vilaj, M (Vilaj, Marija); Trbojevic-Akmacic, I (Trbojevic-Akmacic, Irena); Pezer, M (Pezer, Marija); Davern, KM (Davern, Kathleen M.); Morahan, G (Morahan, Grant); Lauc, G (Lauc, Gordan)

Source: NATURE CHEMICAL BIOLOGY **Volume:** 14 **Issue:** 5 **Pages:** 516-+ **DOI:** 10.1038/s41589-018-0034-3 **Published:** MAY 2018

Accession Number: WOS:000430306900019

Document Type: Article

Record 95

Title: Glycosylation of Immunoglobulin G Associates With Clinical Features of Inflammatory Bowel Diseases

Author(s): Simurina, M (Simurina, Mirna); de Haan, N (de Haan, Noortje); Vuckovic, F (Vuckovic, Frano); Kennedy, NA (Kennedy, Nicholas A.); Stambuk, J (Stambuk, Jerko); Falck, D (Falck, David); Trbojevic-Akmacic, I (Trbojevic-Akmacic, Irena); Clerc, F (Clerc, Florent); Razdorov, G (Razdorov, Genadij); Khon, A (Khon, Anna); Latiano, A (Latiano, Anna); D'Inca, R (D'Inca, Renata); Danese, S (Danese, Silvio); Targan, S (Targan, Stephan); Landers, C (Landers, Carol); Dubinsky, M (Dubinsky, Marla); McGovern, DPB (McGovern, Dermot P. B.); Annese, V (Annese, Vito); Wuhrer, M (Wuhrer, Manfred); Lauc, G (Lauc, Gordan)

Group Author(s): Inflammatory Bowel Dis Biomarkers

Source: GASTROENTEROLOGY **Volume:** 154 **Issue:** 5 **Pages:** 1320-+ **DOI:** 10.1053/j.gastro.2018.01.002 **Published:** APR 2018

Accession Number: WOS:000428978800028

Document Type: Article

Record 96

Title: Deep molecular phenotypes link complex disorders and physiological insult to CpG methylation

Author(s): Zaghlool, SB (Zaghlool, Shaza B.); Mook-Kanamori, DO (Mook-Kanamori, Dennis O.); Kader, S (Kader, Sara); Stephan, N (Stephan, Nisha); Halama, A (Halama, Anna); Engelke, R (Engelke, Rudolf); Sarwath, H (Sarwath, Hina); Al-Dous, EK (Al-Dous, Eman K.); Mohamoud, YA (Mohamoud, Yasmin A.); Roemisch-Margl, W (Roemisch-Margl, Werner); Adamski, J (Adamski, Jerzy); Kastenmuller, G (Kastenmueller, Gabi); Friedrich, N (Friedrich, Nele); Visconti, A (Visconti, Alessia); Tsai, PC (Tsai, Pei-Chien); Spector, T (Spector, Tim); Bell, JT (Bell, Jordana T.); Falchi, M (Falchi, Mario); Wahl, A

(Wahl, Annika); Waldenberger, M (Waldenberger, Melanie); Peters, A (Peters, Annette); Gieger, C (Gieger, Christian); Pezer, M (Pezer, Marija); Lauc, G (Lauc, Gordan); Graumann, J (Graumann, Johannes); Malek, JA (Malek, Joel A.); Suhre, K (Suhre, Karsten)

Source: HUMAN MOLECULAR GENETICS **Volume:** 27 **Issue:** 6 **Pages:** 1106-1121 **DOI:** 10.1093/hmg/ddy006 **Published:** MAR 15 2018

Accession Number: WOS:000426838700014

Document Type: Article

Record 97

Title: Epigenetic Differentiation of Natural Populations of *Lilium bosniacum* Associated with Contrasting Habitat Conditions

Author(s): Zoldos, V (Zoldos, Vlatka); Birus, I (Birus, Ivan); Muratovic, E (Muratovic, Edina); Satovic, Z (Satovic, Zlatko); Vojta, A (Vojta, Aleksandar); Robin, O (Robin, Odile); Pustahija, F (Pustahija, Fatima); Bogunic, F (Bogunic, Faruk); Bockor, VV (Bockor, Vedrana Vicic); Siljak-Yakovlev, S (Siljak-Yakovlev, Sonja)

Source: GENOME BIOLOGY AND EVOLUTION **Volume:** 10 **Issue:** 1 **Pages:** 291-303 **DOI:** 10.1093/gbe/evy010 **Published:** JAN 2018

Accession Number: WOS:000424893500021

Document Type: Article

Record 98

Title: Determination of anti-oxidative histidine dipeptides in poultry by microchip capillary electrophoresis with contactless conductivity detection

Author(s): Jozanović, M., Hajduković, M., Galović, O., Kralik, G., Kralik, Z., Sakač, N., Medvidović-Kosanović, M., Sak-Bosnar, M., Food Chemistry (2016),

DOI : [http:// dx.doi.org/10.1016/j.foodchem.2016.10.122](http://dx.doi.org/10.1016/j.foodchem.2016.10.122)

Record 99

Title: ELECTROCHEMICAL DETECTION OF VITAMIN C IN REAL SAMPLES.

Hrana u zdravlju i bolesti, 9 (1), 1-8. Preuzeto s <https://hrcak.srce.hr/240947>

Author(s): Blažević, J., Stanković, A., Šafranko, S., Jokić, S., Velić, D. i Medvidović-Kosanović, M. (2020).

Record 100

Title: A new solid-state anionic surfactant-selective sensor based on functionalized MWCNT

Author(s): Budetić, Mateja; Samardžić, Mirela; Ravnjak, Gabriela; Dandić, Andrea; Živković, Pavo; Széchenyi, Aleksandar, // Talanta, 226 (2021), 122196, 10

DOI:10.1016/j.talanta.2021.122196

Record 101

Title: The Novel Anionic Surfactant Selective Sensors Based on Newly Synthesized Quaternary Amm Sensors and actuators. B, Chemical, 343 (2021), 130103,onium Salts as Ionophores

Author(s): Samardžić, Mirela; Budetić, Mateja; Széchenyi, Aleksandar; Marković, Dean; Živković, Pavo; Šarkanj, Bojan; Jozanović, Marija, // 9 doi:10.1016/j.snb.2021.130103

Record 102.

Title: Quality and oxidative stability of eggs laid by hens fed marigold extract supplemented diet Source: POULTRY SCIENCE; 98(8): 3338-3344.

Author(s): Grcevic, M., Kralik, Z., Kralik, G., Galovic, D., Radisic, Z., Hanzek, D. (2019.):

DOI: 10.3382/ps/pez134

Record 103.

Title: Physical-Chemical Characteristics of Designer and Conventional Eggs. BRAZILIAN JOURNAL OF POULTRY SCIENCE; 20(1):119-125.

Author(s): Kralik, Z., Kralik, G., Grcevic, M., Kralik, I., Gantner, V. (2018)

DOI: 10.1590/1806-9061-2017-0631

Record 104.

Title: Enrichment of table eggs with functional ingredients. JOURNAL OF CENTRAL EUROPEAN AGRICULTURE; 19 (1):72-82.

Author(s): Kralik, G., Kralik, Z., Grcevic, M., Kralik, I., Gantner, V. (2018)

DOI:10.5513/JCEA01/19.1.2025

Record 105.

Title: QUALITY OF TABLE EGGS ON THE CROATIAN MARKET. POLJOPRIVREDA; 23 (1): 63-68.

Author(s): Kralik, Z., Grcevic, M., Kralik, G., Hanzek, D., Zelic, A. (2017)

DOI:10.18047/poljo.23.1.10

Record 106.

Title: Enriched eggs as a source of n-3 polyunsaturated fatty acids for humans.

ACTA VETERINARIA BRNO; 86 (3): 293-301.

Author(s): Kralik, G., Kralik, Z., Strakova, E., Grcevic, M., Hanzek, D. (2017):

Enriched eggs as a source of n-3 polyunsaturated fatty acids for humans.

ACTA VETERINARIA BRNO; 86 (3): 293-301.

DOI:10.2754/avb201786030293