Publications Univ. Prof. Dr. Karl-Heinz Wagner

H-Index: 43
Citations: 6315
Orcid ID: orcid.org/0000-0002-1683-7265

1.1 Scientific papers, Original papers

*1.1.1 Peer reviewed (*TOP journal for University of Vienna: within highest 25% of the category-TOP=Q1)*

2019

1. Shiels RG, Vidimce J, Pearson AG, Matthews B, **Wagner KH**, Battle AR, Sakellaris H, Bulmer AC. (2019): Unprecedented Microbial Conversion of Biliverdin into Bilirubin-10-sulfonate. Sci Rep. 27;9(1):2988.. IF=4.122 – TOP

2. Ströhle A, Richter M, González-Gross M, Neuhäuser-Berthold M, **Wagner KH**, Leschik-Bonnet E, Egert S (2019): The Revised D-A-CH-Reference Values for the Intake of Vitamin B12 : Prevention of Deficiency and Beyond. Mol Nutr Food Res. 18:e1801178. IF=5.151 – TOP

2018 – IF= 57.54

3. Bulmer A, Bakrania B, Du Toit E, Boon A, Clark P, Powell L, **Wagner KH**, Headrick J (2018): Bilirubin acts as a multi-potent guardian of cardiovascular integrity: more than just a radical idea. AJP-Heart and Circulatory Physiology, Mar 30. doi: 10.1152/ajpheart.00417.2017 IF=3.348 – TOP

4. Ferk F, Kundi M, Brath H, Szekeres T, Al-Serori H, Mišík M, Saiko P, Marculescu R, **Wagner KH**, Knasmueller S. (2018): Gallic Acid Improves Health-Associated Biochemical Parameters and Prevents Oxidative Damage of DNA in Type 2 Diabetes Patients: Results of a Placebo-Controlled Pilot Study. Mol Nutr Food Res. 2018 Feb;62(4). doi: 10.1002/mnfr.201700482, IF=5.151 – TOP

5. Franzke B, Schober- Halper B, Hofmann M, Oesen S, Tosevska A, Henriksen T, Poulsen HE, Strasser EM, Wessner B, **Wagner KH**; Vienna Active Ageing Study Group (VAAS) (2018): Age and the effect of exercise, nutrition and cognitive training on oxidative stress- the Vienna Active Aging Study (VAAS), a randomized controlled trial. Free Rad Biol Med, 121: 69-77., IF=5.606 - TOP

6. Franzke B, Neubauer O, Cameron-Smith D, **Wagner KH**. (2018): Dietary Protein, Muscle and Physical Function in the Very Old. Nutrients. 2018 Jul 20;10(7). pii: E935. doi: 10.3390/nu10070935. IF=4.196 - TOP

7. Muhterem-Uyar M, Ciolacu L, **Wagner KH**, Wagner M, Schmitz-Esser S, Stessl B (2018): New aspects on Listeria monocytogenes ST5-ECVI predominance in a heavily contaminated cheese processing environment. Frontiers in Microbiology, section Food Microbiology, 9:64. doi: 10.3389/fmicb.2018.00064, IF=4.067 - TOP

8. Nemeth M, Wallner B, Siutz C, Pschernig E, **Wagner KH**, Millesi E (2018): Steroid hormone concentrations and body mass are differently affected by polyunsaturated fatty acids during the

oestrous cycle in guinea pigs. Reproduction, Fertility and Development. Jan 8. doi: 10.1071/RD17242. IF=2.656 - TOP

9. **Nemeth M, Millesi E, Wagner KH, Wallner B (2018): Saliva cortisol responses to altered plasma polyunsaturated fatty acid patterns in guinea pigs. Brit. J. Nutrition, 120(11):1240-1251. IF=3.657 - TOP**

10. Nemeth M, Millesi E, Schuster D, Quint R, **Wagner KH**, Wallner B (2018): Dietary fatty acids sex-specifically modulate guinea pig postnatal development via cortisol concentrations. Sci. Reports 11;8(1):471, IF=5.228 - TOP

11. Seyed Khoei N, Grindel A, Wallner M, Mölzer C, Marculescu R, Doberer D, Bulmer A, **Wagner K-H** (2018): Mild hyperbilirubinaemia as an endogenous mitigator of overweight and obesity - implications for improved metabolic health. Atherosclerosis, 269:306-311. IF=4.467 - TOP

12. Strasser EM, Hofmann M, Franzke B, Schober-Halper B, Oesen S, Jandrasits W, Graf A, Praschak M, Horvath-Mechtler B, Krammer C, Ploder M, Bachl N, Quittan M, **Wagner KH**, Wessner B. (2018): Strength training increases skeletal muscle quality but not muscle mass in old institutionalized adults: a randomized, multi-arm parallel and controlled intervention study. Eur J Phys Rehabil Med. 2018 Mar 7. doi: 10.23736/S1973-9087.18.04930-4, IF=1.827, Q2

13. **Wagner KH**, Shiels RG, Lang CA, Seyed Khoei N, Bulmer AC (2018): Diagnostic criteria and contributors to Gillbert´s Syndrome. Critical Reviews in Clinical Laboratory Sciences. 1:1-11. doi: 10.1080/10408363.2018 IF=5.34 - TOP

14. Vraka C, Dumanic M, Racz T, Pichler F, Philippe C, Balber T, Klebermass EM, **Wagner KH**, Hacker M, Wadsak W, Mitterhauser M. (2018). https://www.ncbi.nlm.nih.gov/pubmed/29529532A New Model for the Prediction of the Interaction of Radiotracers with the P-glycoprotein (P-gp) transporter. Nucl Med Biol. 60:29-36., IF=2.429 - TOP

15. Vraka C, Dumanic M, Racz T, Pichler F, Philippe C, Balber T, Klebermass EM, **Wagner KH,** Hacker M, Wadsak W, Mitterhauser M. (2018). A New Model for the Prediction of the Interaction of Radiotracers with the P-glycoprotein (P-gp) transporter. Nucl Med Biol. 60:29-36., IF=2.429 - TOP

16. Vraka C, Mijailovic S, Fröhlich V, Zeilinger M, Klebermass EM, Wadsak W,,, **Wagner KH** Hacker M, Mitterhauser M (2017): Expanding LogP: Present possibilities. Nucl Med Biol. 50:1-10. IF=2.429 - TOP

17. Zappe K, Pointner A, Switzeny OJ, Magnet U, Tomeva E, Heller J, Mare G, **Wagner KH**, Knasmuller S, Haslberger AG (2018): Counteraction of oxidative stress by vitamin E affects epigenetic regulation by increasing global methylation and gene expression of MLH1 and DNMT1 dose-dependently in Caco-2 cells. Oxid Med Cell Longev. in press, IF=4.492 - TOP

2017 – IF= 45.61

18. Broadbent JA, Sampson D, Sabapathy S, Haseler LJ, **Wagner KH**, Bulmer AC, Peake JM, Neubauer O. (2017): Gene networks in skeletal muscle following endurance exercise are coexpressed in blood neutrophils and linked with blood inflammation markers. J Appl Physiol (1985). 2017 Jan 19:jap.00114.2016. doi. IF=3.004 - TOP

19. Bakrania B, Du Toit EF, Ashton KJ, **Wagner KH**, Headrick JP, Bulmer AC. (2017): Chronically elevated bilirubin protects from cardiac reperfusion injury in the male Gunn rat. Acta Physiol (Oxf) 2017 Feb 16. doi: 10.1111/apha.12858 IF=4.066 - TOP

20. Ferk F, Brath H, Kundi M, Szekeres T, Al-Serori H, Misik M, Saiko P, Marculescu R, **Wagner K-H**, Knasmüller S (2017): Gallic acid, a common dietary phenolic improves health associated biochemical parameters and prevents oxidative damage of DNA in type 2 diabetes patients: results of a placebo-controlled pilot study. Mol. Nutr. Food Res. 62(4). doi: 10.1002/mnfr.201700482. IF=4.323 - TOP

21. Grindel A, Brath H, Nersesyan A, Knasmüller S, **Wagner KH** (2017): Association of Genomic Instability with HbA1c levels and Medication in Diabetic Patients. Sci Rep. 2017 Feb 2;7:41985 IF=5.228 - TOP

22. Majchrzak D, Eberhard J, Kalaus B, **Wagner KH**. (2017): Do Visually Impaired People Develop Superior Smell Ability? Perception. 2017 Oct;46(10):1171-1182. IF=1.087

23. Mitchell CJ, Milan AM, Mitchell SM, Zeng N, Ramzan F, Sharma P, Knowles SO, Roy NC, Sjödin A, **Wagner KH**, Cameron-Smith D (2017): The effects of dietary protein intake on appendicular lean mass and muscle function in elderly men: a 10 week randomized controlled trial. Am. J Clin Nutr., 106(6):1375-1383., IF=6.925 - TOP

24. Mölzer C, Wallner M, Kern C, Tosevska A, Zadnika R, Doberer D, Marculaescu R, **Wagner KH** (2017): Molecular characteristics of heme catalysis in mild unconjugated hyperbilirubinemia (UGT1A1*28 promoter mutation) and their relevance in anti-inflammation and disease prevention. Sci Rep. 2017 Feb 2;7:41985, IF=5.228 - TOP

25. Nemeth M, Millesi E, Siutz C, **Wagner KH**, Quint R, Wallner B (2017): Reproductive performance and gestational effort in relation to dietary fatty acids in guinea pigs. J Anim Sci Biotechnol. 2017 Apr 1;8:28 IF=2.037 - TOP

26. Nemeth M, Wallner B, Siutz C, Pschernig E, **Wagner KH**, Millesi E (2017): Steroid hormone concentrations and body mass are differently affected by polyunsaturated fatty acids during the oestrous cycle in guinea pigs. Reproduction, Fertility and Development. Jan 8. doi: 10.1071/RD17242 IF=2.656 - TOP

27. **N**emeth M, Millesi E, Schuster D, Quint R, **Wagner KH**, Wallner B (2017): Dietary fatty acids sex-specifically modulate guinea pig postnatal development via cortisol concentrations. Sci. Reports 8(1):471. doi: 10.1038/s41598-017-18978-4., IF=5.228 - TOP

28. Remely M, Ferk F, Sterneder S, SetayeshS, Roth S, ... **Wagner KH**, Knasmuller S, Haslberger AG. (2016): EGCG prevents high-fat diet-induced changes in gut microbiota, decreases of DNA strand breaks, and changes in expression and DNA methylation of Dnmt1 and MLH1 in C57BL/6J male mice. Oxid Med Cell Longev. 2017;2017:3079148.. IF=4.492, Q2

29. Remely M, Ferk F, Sterneder S, Setayesh T, Kepcija T, Roth S, Noorizadeh R, Greunz M, Rebhan I, **Wagner KH**, Knasmüller S, Haslberger A (2017): Vitamin E Modifies High-Fat Diet-Induced Increase of DNA Strand Breaks, and Changes in Expression and DNA Methylation of Dnmt1 and MLH1 in C57BL/6J Male Mice. Nutrients. 2017 Jun 14;9(6). pii: E607. IF=3.759 - TOP

30. Siutz C, Nemeth M, Siutz C, **Wagner KH**, Quint R, Ruf T, Millesi E (2017): Effects of food store quality on hibernation performance in common hamsters. PLOS One, **12(10):e0185913,** IF=3.057 - TOP

31. Wang D, Tosevska A, Heiß EH, Ladurner A, Mölzer C, Wallner M, Bulmer A, **Wagner KH**, Dirsch V (2017): Bilirubin Decreases Macrophage Cholesterol Efflux and ABCA1 Protein Expression. J Am Heart Assoc. 2017 Apr 28;6(5). pii: e005520 IF=5.117 - TOP

32. Vraka C, Nics L, **Wagner KH**, Hacker M, Wadsak W, Mitterhauser M (2017): LogP, a yesterday's value? Nucl Med Biol. 2017 Mar 21;50:1-10. IF=2.429 - TOP

2016 – IF= 45.46

33. Bakrania B, Du Toit EF, **Wagner KH**, Headrick JP, Bulmer AC. (2016): Pre- or post-ischemic bilirubin ditaurate treatment reduces oxidative tissue damage and improves cardiac function. Int J Cardiol. 202:27-33. IF=4.638 – TOP

34. Ferk F, Mišík M, Nersesyan A, Pichler C, Jäger W, Szekeres T, Marculescu R, Poulsen H, Henriksen T, Bono R, Romanazzi V, Al-Serori H, Biendl M, **Wagner KH**, Kundi M, Knasmüller S. (2016): Impact of xanthohumol (a prenylated flavonoid from hops) on DNA stability and other health-related biochemical parameters: results of human intervention trials. Mol Nutr Food Res. 2016 Feb 3. doi: 10.1002/mnfr.201500355. IF=4.551 – TOP

35. Grindel A, Brath H, Guggenberger B, Eichberger L, Pöppelmeyer C, Gschaider M, Tosevsky A, **Wagner KH** (2016): Oxidative Stress, DNA Damage and DNA Repair in female patients with Diabetes Mellitus Type 2. PLOS One, 2016 Sep 6;11(9):e0162082. doi: 10.1371/journal.pone.0162082. eCollection 2016.IF=3.234 - TOP

36. Halper B, Hofmann M, Oesen S, Franzke B, Wolf T, Strasser E-M, Bachl N, Quittan M, **Wagner KH**, Wessner, B. (2016): Elastic band resistance training influences transforming growth factor-ß receptor I expression in peripheral mononuclear cells of institutionalised older adults: the Vienna Active Ageing Study (VAAS), Immunity&Ageing 2016 Jun 30;13:22. doi: 10.1186/s12979-016-0077-9. eCollection 2016IF=3.538 - TOP

37. Hofmann M, Schober-Halper B, Oesen S, Franzke B, Tschan H, Bachl N, Strasser EM, Quittan M, **Wagner KH**, Wessner B. (2016): Effects of elastic band resistance training and nutritional supplementation on muscle quality and circulating muscle growth and degradation factors of institutionalized elderly women: the Vienna Active Ageing Study (VAAS). Eur J Appl Physiol. 2016 Mar 1. [Epub ahead of print]. IF=2.328 – TOP

38. Moelzer C, Wallner M, Kern C, Tosevska A, Schwarz U, Zadnikar R, Marculescu R, Doberer D, **Wagner KH**. (2016): Features of an altered AMPK metabolic pathway in Gilbert's Syndrome, and its role in energy turnover and metabolic health. Sci Rep. 2016 Jul 21;6:30051. doi: 10.1038/srep30051.. IF=5.228 – TOP

39. Nemeth M, Millesi E, Puehringer-Sturmayer V, Kaplan A, **Wagner KH**, Quint R, Wallner B. (2016): Sex-specific effects of dietary fatty acids on saliva cortisol and social behavior in guinea pigs under different social environmental conditions. Biology of Sex Differences 7:51. DOI: 10.1186/s13293-016-0107-5. IF=3.237 – TOP

40. Remely M, Ferk F, Sterneder S, SetayeshS, Roth S, ... **Wagner KH**, Knasmuller S, Haslberger AG. (2016): EGCG prevents high-fat diet-induced changes in gut microbiota, decreases

of DNA strand breaks, and changes in expression and DNA methylation of Dnmt1 and MLH1 in C57BL/6J male mice. Oxidative Medicine and Cellular Longevity, in press. IF=4.492, Q2

41. Tosevska A, Moelzer C, Wallner M, Janosec M, Schwarz U, Kern C, Marculescu R, Doberer D, Weckwerth W, **Wagner KH**. (2016): Longer telomeres in chronic, moderate, unconjugated hyperbilirubinaemia: insights from a human study on Gilbert's Syndrome. Sci Rep. 2016 Mar 1;6:22300. doi: 10.1038/srep22300. IF=5.228 – TOP

42. Tosevska A, Franzke B, Hofmann M, Vierheilig I, Schober-Halper B, Oesen S, Neubauer O, Wessner B, **Wagner KH.** (2016): Circulating cell-free DNA, telomere length and bilirubin in the Vienna Active Ageing Study: exploratory analysis of a randomized, controlled trial. Sci Rep. 2016 Dec 1;6:38084. doi: 10.1038/srep38084. IF=5.228 – TOP

43. **Wagner KH**, Cameron-Smith D, Wessner B, Franzke B. (2016): Biomarkers of Aging: From Function to Molecular Biology. Nutrients. 2016 Jun 2;8(6). pii: E338. IF=3.759 – TOP

2015 – IF= 51.26

44. Boon AC, Hawkins CL, Coombes JS, **Wagner KH**, Bulmer AC (2015): Bilirubin scavenges chloramines and inhibits myeloperoxidase-induced protein/lipid oxidation in physiologically relevant hyperbilirubinemic serum. Free Radic Biol Med. 2015 Jun 6;86:259-268. IF=5.736 – TOP

45. Franzke B, Halper B, Hofmann M, Oesen S, Pierson B, Cremer A, Bacher E, Fuchs B, Baierl A, Tosevska A, Strasser EM, Wessner B, **Wagner KH**; Vienna Active Ageing Study Group (VAAS). (2015): The effect of six months of elastic band resistance training, nutritional supplementation or cognitive training on chromosomal damage in institutionalized elderly. Exp Gerontol. 2015 Mar 4. pii: S0531-5565(15)00086-8Exp Gerontol. 2015 Apr;64:35-45. IF=3.529 – TOP

46. Franzke B, Halper B, Hofmann M, Oesen S, Jandrasits W, Baierl A, Tosevska A, Strasser EM, Wessner B, **Wagner KH**; Vienna Active Ageing Study Group. (2015): The impact of six months strength training, nutritional supplementation or cognitive training on DNA damage in institutionalised elderly. Mutagenesis. 2015 Jan;30(1):147-53. IF=3.500 – TOP

47. Franzke B, Neubauer O, **Wagner KH** (2015): Super DNAging - New insights into DNA integrity, genome stability and telomeres in the oldest old. Mutation Research Reviews, in press, IF=6.213 – TOP

48. Halper B, Hofmann M, Oesen S, Franzke B, Vidotto C, Tschan H, Bachl N, Strasser E-M, Quittan M, Ploder M, **Wagner KH**, Wessner, B. (2015). Influence of age and physical fitness on miRNA-21, TGF-β and its receptors in leukocytes of healthy women. Submitted to Exercise Immunology Review, 2015;21:154-63 IF=9.924 - TOP

49. Hofmann M, Halper B, Oesen S, Franzke B, Stuparits P, Tschan H, Bachl N, Strasser EM, Quittan M, Ploder M, **Wagner KH**, Wessner B. (2015): Serum concentrations of insulin-like growth factor-1, members of the TGF-beta superfamily and follistatin do not reflect different stages of dynapenia and sarcopenia in elderly women. Exp Gerontol. 2015 Apr;64:35-45. IF=3.529 – TOP

50. Kanzler S, Manschein M, Lammer G, **Wagner KH**. (2015): The nutrient composition of European ready meals: protein, fat, total carbohydrates and energy. Food Chem. 2015 Apr 1;172:190-6. IF=3.259 – TOP

51. Oesen S, Halper B, Hofmann M, Jandrasitz W, Franzke B, Strasser EM, Graf A, Tschan H, Bachl N, Quittan M, **Wagner KH**, Wessner B., Vienna Active Ageing Study Group (2015). Effects of

elastic band resistance training and nutritional supplementation on physical performance of institutionalised elderly - a randomized controlled trial. Exp Gerontol. 2015, in press, IF=3.529 – TOP

52. Nemeth M, Millesi E, **Wagner KH**, Wallner B (2015) Sex-Specific Effects of Diets High in Unsaturated Fatty Acids on Spatial Learning and Memory in Guinea Pigs. PLoS One. 2015 Oct 15;10(10):e0140485. IF=3.234 – TOP

53. **Wagner KH**, Wallner M, Mölzer C, Gazzin S, Bulmer AC, Tiribelli C, Vitek L.(2015): Looking to the horizon: the role of bilirubin in the development and prevention of age-related chronic diseases. Clin Sci (Lond). 2015 Jul 1;129(1):1-25,. IF=5.629 – TOP

54. Wultsch G, Nersesyan A, Kundi M, **Wagner KH**, Ferk F, Jakse R, Knasmueller S. (2015): Impact of exposure to wood dust on genotoxicity and cytotoxicity in exfoliated buccal and nasal cells. Mutagenesis. 2015 May 9. pii: gev034. [Epub ahead of print], IF=3.500 – TOP

2014 – IF=37.96

55. Bakrania B, Du Toit EF, Ashton KJ, Kiessling CJ, **Wagner KH**, Headrick JP, Bulmer AC (2014): Hyperbilirubinemia modulates myocardial function, aortic ejection and ischemic stress-resistance in the Gunn rat. Am J Physiol Heart Circ Physiol. 2014 Aug 15. pii: ajpheart.00001.2014. [Epub ahead of print], IF=4.012 – TOP

56. Bisht K, Wegiel B, Tampe J, Neubauer O, **Wagner K-H**, Otterbein LE, Bulmer AC (2013): Biliverdin modulates the expression of C5aR and IL-1Ra in response to endotoxin. Biochem Biophys Res Commun, 30;5(218):1000218 IF=4.992 – TOP

57. Bisht K, Tampe J, Shing C, Bakrania B, Winearls J, Fraser J, **Wagner KH**, Bulmer AC. (2014): Endogenous Tetrapyrroles Influence Leukocyte Responses to Lipopolysaccharide in Human Blood: Pre-Clinical Evidence Demonstrating the Anti-Inflammatory Potential of Biliverdin. J Clin Cell Immunol. 2014 May 30;5(218):1000218.

58. Franzke B, Halper B, Hofmann M, Oesen S, Peherstorfer H, Krejci K, Koller B, Geider K, Baierl A, Tosevska A, Strasser EM, Wessner B, Wagner K.H, Vienna Active Ageing Study Group (VAAS). (2014): The influence of age and aerobic fitness on chromosomal damage in Austrian institutionalized elderly. Mutagenesis, 29(6):441-5 IF=3.500 **–** TOP

59. Kanzler S, Hartmann C, Gruber A, Lammer G, **Wagner K-H.** (2014): Salt as a public health challenge in continental European convenience and ready meals. Public Health Nutrition. 17:2459-66. IF=2.483

60. Müllner E, Brath H, Adrigan S, Bulla MT, Stieglmayer S, Wallner M, Toferer D, Marek R, **Wagner K-H.** (2014): Nuclear anomalies in exfoliated buccal cells in healthy and diabetic individuals and the impact of a dietary intervention. Mutagenesis, 29(1):1-6. IF=3.500 – TOP

61. Müllner E, Plasser E, Brath H, Waldschütz W, Forster E, Kundi M, **Wagner K-H**. Impact of polyunsaturated vegetable oils on adiponectin levels, glycaemia and blood lipids in individuals with type 2 diabetes: a randomised, double-blind intervention study. J Hum Nutr Diet. 2013 Oct 21. doi: 10.1111/jhn.12168. [Epub ahead of print] IF=2.074

62. Mölzer C, Huber H, Steyrer A, Ziesel G, Wallner M, Bulmer AC, **Wagner KH**. (2014): Bilirubin and Related Tetrapyrroles Inhibit Food-borne Mutagenesis: A mechanism for Antigenotoxic Action against a Model Epoxide J. Nat. Prod., 28;77(2):436. doi: 10.1021/np500101y IF=3.947 – TOP

63. Nemeth M, Millesi E, **Wagner KH**, Wallner B. (2014): Effects of diets high in unsaturated Fatty acids on socially induced stress responses in Guinea pigs. PLoS One. 2014 Dec 31;9(12):e116292. IF=3.534 – TOP

64. Neubauer O, Sabapathy S, Ashton K, Desbrow B, Lazarus R, Wessner B, Jowett JMB, Cameron-Smith C, Hasler L, **Wagner K-H**, Bulmer A. (2014): Time-course dependent changes in the transcriptome of human skeletal muscle during recovery from endurance exercise: from inflammation to adaptive remodeling. J. Applied Physiol. 116(3):274-87. doi: 10.1152/japplphysiol.00909 IF=3.484 - TOP

65. Rückerl I, Muhterem-Uyar M, Muri-Klinger S, **Wagner K-H**, Wagner M, Stessl B. (2014): L. monocytogenes in a cheese processing facility: Learning from contamination scenarios over three years of sampling. Int J Food Microbiol. 2014 Oct 17;189:98-105. IF=3.155 – TOP

66. Wultsch G, Nersesyan A, Kundi M, Jakse R, Beham A, **Wagner KH**, Knasmueller S. (2014): The sensitivity of biomarkers for genotoxicity and acute cytotoxicity in nasal and buccal cells of welders. Int J Hyg Environ Health. 2014 Apr-May;217(4-5):492-8. IF=3.276 – TOP

2013 – IF: >61.29

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68. Bulmer A, Verkade, H, **Wagner K-H**. (2013): Bilirubin and beyond: a review of lipid status in Gilbert's syndrome and its relevance to cardiovascular disease protection. Progress in Lipid Research. 52:193-205. IF=12.963 (**Top Journal in the Nutrition area**) – TOP

69. Kornsteiner M, **Wagner K-H,** Elmadfa I (2013): Phytosterol content and fatty acid pattern of ten different nut types. Int. J. Vit. Nutr Res. IF=1.000

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71. Mölzer C, Pflerger B, Putz EM, Roßmann A, Schwarz U, Wallner M, Bulmer AC, **Wagner K-H**. (2013): In vitro DNA-damaging effects of intestinal and related tetrapyrroles in human cancer cells. Exp Cell Res. 319:536-455. IF=3.372

72. Mölzer C, Huber H, Steyrer A, Ziesel G, Wallner M, Goncarova I, Orlov S, Ahlfors CE, Vitek L, Bulmer AC, **Wagner KH**. (2012): Interaction between TNFone and tetrapyrroles may account for their anti-genotoxic effects – a novel mechanism for DNA-protection. Journal of Porphyrins and Phthalocyanines IF=1.364, in press

73. Müllner E, Brath H, Pleifer S, Schiermayr C, Baierl A, Wallner M, Fastian T, Millner Y, Paller K, Henriksen T, Poulsen H, Forstner E, **Wagner K-H.** (2013): Vegetables and PUFA-rich plant oil reduce DNA strand breaks in individuals with type 2 diabetes. Mol Nutr Food Res. 57(2):328-338. IF=4.909 **(Top Journal in the Food area**) – TOP

74. Müllner E, Brath H, Adrigan S, Bulla MT, Stieglmayer S, Wallner M, Toferer D, Marek R, **Wagner K-H.** (2013): Genome damage in peripheral blood lymphocytes of diabetic and - healthy individuals after intervention with vegetables and plant oil. Mutagenesis, IF=3.479 – TOP

75. Neubauer O, Sabapathy S, Lazarus R, Jowett JMB, Desbrow B, Cameron-Smith C, Hasler L, **Wagner K-H**, Bulmer A. (2013): Transcriptome analysis of neutrophils after endurance exercise reveals novel signaling mechanisms in the immune response to physiological stress. J. Applied Physiol. 114:1677-1688. IF=3.434

76. Wallner M, Bulmer A, Müllner E, Mölzer C, Marculescu R, Doberer D, Wolzt M, Wagner O, **Wagner KH**. (2013): Haem catabolism: a novel modulator of inflammation in Gilbert's syndrome. Europ. J. Clin. Invest., in press IF=2.834 - TOP

77. Wallner M, Marculescu R, Doberer D, Wolzt M, Wagner O, Vitek L, Bulmer AC, **Wagner KH**. (2013): Protection from age-related increase in lipid biomarkers and inflammation contributes to cardiovascular protection in Gilbert's syndrome. Clin Sci (Lond.) 125(5):257-264 IF=5.629 – TOP

78. Wallner M, Antl N, Rittmannsberger B, Schreidl s, Najafi K, et al. …, Bulmer AC, **Wagner KH** (2013): Anti-genotoxic potential of bilirubin in vivo: Damage to DNA in hyperbilirubinemic human and animal models. Cancer Prev Res, IF=5.269 – TOP

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79. Aruoma O, Landes B, Ramful-Baboolall D, Bourdon E, Neegheen-Bhujun V, **Wagner K-H**., Bahorun T. (2012): Functional benefits of Citrus extracts in the management of diabetes. Preventive Medicine, 54 Suppl:S12-16 IF=3.496 – TOP

80. Boon, A-C., Hawkins, C.L., Bisht, K., Coombes J.S., Bakrania, B., Wagner, K-H., Bulmer, A.C. Reduced circulating oxidised LDL is associated with hypocholesterolemia and enhanced thiol status in Gilbert's syndrome, Free Radical Biology and Medicine. 52:2120-2127, IP=5.271 – TOP

81. Fabian E., Bogner M., Kickinger A., **Wagner K-H.**, Elmadfa I. (2011): Vitamin Status in Elderly People in Relation to the Use of Nutritional Supplements. J Nutr Health Aging. 16::206-212; IF=2.394

82. Fabian E., Kickinger A., **Wagner K-H.**, Elmadfa I. (2012): Homocysteine and asymmetric dimethylarginine in relation to B vitamins in elderly people. Wien. Klin. Wochenschrift. 123:496-501 IF=0.813

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