Florian J Schweigert

List of Publications by Year
in descending order

122	3,521	172457	168389
papers	citations	29 h-index	53 g-index

123	123	123	4281
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Role of Endocytosis in Cellular Uptake of Sex Steroids. Cell, 2005, 122, 751-762.	28.9	368
2	Changes in the Concentration of Carotenoids, Vitamin A, Alpha-Tocopherol and Total Lipids in Human Milk throughout Early Lactation. Annals of Nutrition and Metabolism, 2001, 45, 82-85.	1.9	131
3	Effect of the stage of lactation in humans on carotenoid levels in milk, blood plasma and plasma lipoprotein fractions. European Journal of Nutrition, 2004, 43, 39-44.	3.9	125
4	Determining the binding affinities of phenolic compounds to proteins by quenching of the intrinsic tryptophan fluorescence. Molecular Nutrition and Food Research, 2006, 50, 705-713.	3.3	123
5	Use of Câ€reactive protein to predict outcome in dogs with systemic inflammatory response syndrome or sepsis. Journal of Veterinary Emergency and Critical Care, 2009, 19, 450-458.	1.1	118
6	Evidence for Oxytocin Receptors in Cultured Bovine Luteal Cells1. Biology of Reproduction, 1992, 46, 1001-1006.	2.7	110
7	Evidence That Kidney Function but Not Type 2 Diabetes Determines Retinol-Binding Protein 4 Serum Levels. Diabetes, 2008, 57, 3323-3326.	0.6	98
8	Concentrations of carotenoids, retinol and alpha-tocopherol in plasma and follicular fluid of women undergoing IVF. Human Reproduction, 2003, 18, 1259-1264.	0.9	81
9	Peptide and protein profiles in serum and follicular fluid of women undergoing IVF. Human Reproduction, 2006, 21, 2960-2968.	0.9	81
10	Relation between retinol, retinol-binding protein 4, transthyretin and carotid intima media thickness. Atherosclerosis, 2010, 213, 549-551.	0.8	81
11	The majority of vitamin A is transported as retinyl esters in the blood of most carnivores. Comparative Biochemistry and Physiology A, Comparative Physiology, 1990, 95, 573-578.	0.6	75
12	Characterization of the microheterogeneity of transthyretin in plasma and urine using SELDI-TOF-MS immunoassay. Proteome Science, 2004, 2, 5.	1.7	72
13	Inflammation-induced changes in the nutritional biomarkers serum retinol and carotenoids. Current Opinion in Clinical Nutrition and Metabolic Care, 2001, 4, 477-481.	2.5	68
14	Isoforms of Retinol binding protein 4 (RBP4) are increased in chronic diseases of the kidney but not of the liver. Lipids in Health and Disease, 2008, 7, 29.	3.0	68
15	Stability and cellular uptake of lutein-loaded emulsions. Journal of Functional Foods, 2014, 8, 118-127.	3.4	62
16	Megalin-Mediated Reuptake of Retinol in the Kidneys of Mice Is Essential for Vitamin A Homeostasis. Journal of Nutrition, 2005, 135, 2512-2516.	2.9	58
17	Microheterogeneity of transthyretin in serum and ascitic fluid of ovarian cancer patients. BMC Cancer, 2005, 5, 133.	2.6	57
18	The Effect of Tannins on Mediterranean Ruminant Ingestive Behavior: The Role of the Oral Cavity. Molecules, 2011, 16, 2766-2784.	3.8	54

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19	Stability and bioavailability of lutein ester supplements from Tagetes flower prepared under food processing conditions. Journal of Functional Foods, 2012, 4, 602-610.	3.4	54
20	Câ€•reactive protein concentration in dogs with primary immuneâ€•mediated hemolytic anemia. Veterinary Clinical Pathology, 2009, 38, 421-425.	0.7	52
21	The distribution of vitamin A and retinol-binding protein in the blood plasma, urine, liver and kidneys of carnivores. Veterinary Research, 2000, 31, 541-551.	3.0	50
22	Retinoidâ€•and carotenoidâ€•enriched diets influence the ontogenesis of the immune system in mice. Immunology, 2003, 110, 180-187.	4.4	47
23	Protein Profiling of Urine from Dogs with Renal Disease Using ProteinChip Analysis. Journal of Veterinary Diagnostic Investigation, 2004, 16, 271-277.	1.1	46
24	Carotenoids and their metabolites are naturally occurring activators of gene expression via the pregnane X receptor. European Journal of Nutrition, 2004, 43, 336-343.	3.9	43
25	Minimal Inflammation, Acute Phase Response and Avoidance of Misclassification of Vitamin A and Iron Status in Infants â€“ Importance of a High-Sensitivity C-Reactive Protein (CRP) Assay. International Journal for Vitamin and Nutrition Research, 2003, 73, 423-430.	1.5	43
26	Changes in faecal bacteria and metabolic parameters in foals during the first six weeks of life. Veterinary Microbiology, 2011, 151, 321-328.	1.9	37
27	Improved Extraction Procedure for Carotenoids from Human Milk. International Journal for Vitamin and Nutrition Research, 2000, 70, 79-83.	1.5	34
28	Application of phenylboronic acid modified hydrogel affinity chips for high-throughput mass spectrometric analysis of glycated proteins. Rapid Communications in Mass Spectrometry, 2007, 21, 1-6.	1.5	32
29	Exercise Increases the Plasma Antioxidant Capacity of Adolescent Athletes. Annals of Nutrition and Metabolism, 2008, 53, 96-103.	1.9	31
30	Nutritional Proteomics: Methods and Concepts for Research in Nutritional Science. Annals of Nutrition and Metabolism, 2007, 51, 99-107.	1.9	30
31	Inhibition of IgE-Production by Peroxisome Proliferator-Activated Receptor Ligands. Journal of Investigative Dermatology, 2003, 121, 757-764.	0.7	29
32	Effects of energy mobilization during fasting and lactation on plasma metabolites in the grey seal (Halichoerus grypus). Comparative Biochemistry and Physiology A, Comparative Physiology, 1993, 105, 347-352.	0.6	28
33	Vitamin A in Blood Plasma and Urine of Dogs is Affected by the Dietary Level of Vitamin A. International Journal for Vitamin and Nutrition Research, 2000, 70, 84-91.	1.5	28
34	Effects of chronic renal disease on the transport of vitamin A in plasma and urine of dogs. American Journal of Veterinary Research, 2003, 64, 874-879.	0.6	27
35	Association of retinol binding protein 4 and transthyretin with triglyceride levels and insulin resistance in rural thais with high type 2 diabetes risk. BMC Endocrine Disorders, 2018, 18, 26.	2.2	27
36	Alterations of retinol-binding protein 4 species in patients with different stages of chronic kidney disease and their relation to lipid parameters. Biochemical and Biophysical Research Communications, 2010, 393, 79-83.	2.1	26

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37	Ageâ€associated and breedâ€associated variations in haematological and biochemical variables in young labrador retriever and miniature schnauzer dogs. Veterinary Record Open, 2016, 3, e000166.	1.0	26
38	Modulation of Cytokine Production by Low and High Retinoid Diets in Ovalbumin-Sensitized Mice. International Journal for Vitamin and Nutrition Research, 2004, 74, 279-284.	1.5	25
39	Impact of vitamin A on clinical outcomes in haemodialysis patients. Nephrology Dialysis Transplantation, 2011, 26, 4054-4061.	0.7	25
40	Selective absorption of carotenoids in the common green iguana (Iguana iguana). Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2002, 132, 513-518.	1.8	24
41	First trimester concentrations of the TTR-RBP4-retinol complex components as early markers of insulin-treated gestational diabetes mellitus. Clinical Chemistry and Laboratory Medicine, 2015, 53, 1643-51.	2.3	24
42	Cats Absorb Î²-Carotene, but It Is Not Converted to Vitamin A. Journal of Nutrition, 2002, 132, 1610S-1612S.	2.9	23
43	Influence of kidney function on urinary excretion of albumin and retinol-binding protein in dogs with naturally occurring renal disease. American Journal of Veterinary Research, 2010, 71, 1387-1394.	0.6	23
44	Effect of leukoreduction treatment on vascular endothelial growth factor concentration in stored canine blood transfusion products. American Journal of Veterinary Research, 2012, 73, 2001-2006.	0.6	23
45	Role of vitamin A elimination or supplementation diets during postnatal development on the allergic sensitisation in mice. Molecular Nutrition and Food Research, 2007, 51, 1173-1181.	3.3	22
46	Vitamin A excreted in the urine of canines is associated with a Tamm-Horsfall like protein. Veterinary Research, 2002, 33, 299-311.	3.0	22
47	Effects of fasting and lactation on blood chemistry and urine composition in the grey seal (Halichoerus grypus). Comparative Biochemistry and Physiology A, Comparative Physiology, 1993, 105, 353-357.	0.6	21
48	Effect of dietary ?-carotene on the accumulation of ?-carotene and vitamin A in plasma and tissues of gilts. Reproduction, Nutrition, Development, 2001, 41, 47-55.	1.9	21
49	Quantification of Vitamin A in Palm Oil Using a Fast and Simple Portable Device: Method Validation and Comparison to High-Performance Liquid Chromatography. International Journal for Vitamin and Nutrition Research, 2011, 81, 335-342.	1.5	21
50	Plasma transport and tissue distribution of Î²-carotene, vitamin A and retinol-binding protein in domestic cats. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2001, 130, 849-856.	1.8	20
51	Factors that influence retinol-binding protein 4â€“transthyretin interaction are not altered in overweight subjects and overweight subjects with type 2 diabetes mellitus. Metabolism: Clinical and Experimental, 2009, 58, 1386-1392.	3.4	20
52	Postâ€translational modifications of transthyretin affect the triiodonineâ€binding potential. Journal of Cellular and Molecular Medicine, 2015, 19, 359-370.	3.6	20
53	Fasting and lactation effect fat-soluble vitamin A and E levels in blood and their distribution in tissue of grey seals (Halichoerus grypus). Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2002, 131, 901-908.	1.8	19
54	Physical Activity, Antioxidant Status, and Protein Modification in Adolescent Athletes. Medicine and Science in Sports and Exercise, 2010, 42, 1131-1139.	0.4	19

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55	Distribution of Vitamin A, Retinol-Binding Protein, Cellular Retinoic Acid-Binding Protein I, and Retinoid X Receptor Î² in the Porcine Uterus During Early Gestation1. Biology of Reproduction, 1999, 61, 906-911.	2.7	17
56	C-reactive protein concentrations in serum of dogs with naturally occurring renal disease. Journal of Veterinary Diagnostic Investigation, 2011, 23, 710-715.	1.1	17
57	Accumulation of Selected Carotenoids, Î±-Tocopherol and Retinol in Human Ovarian Carcinoma Ascitic Fluid. Annals of Nutrition and Metabolism, 2004, 48, 241-245.	1.9	16
58	Surface enhanced laser desorptions ionization-time of flight-mass spectrometry analysis in complex food and biological systems. Molecular Nutrition and Food Research, 2005, 49, 1104-1111.	3.3	16
59	Antioxidants modulate the IL-6 induced inhibition of negative acute-phase protein secretion in HepG2 cells. Cell Biochemistry and Function, 2008, 26, 95-101.	2.9	16
60	Retinol and Retinyl Ester Responses in the Blood Plasma and Urine of Dogs after a Single Oral Dose of Vitamin A. Journal of Nutrition, 2002, 132, 1673S-1675S.	2.9	15
61	Regulation of expression of the retinoic acid metabolizing enzyme CYP26A1 in uteri of ovariectomized mice after treatment with ovarian steroid hormones. Molecular Reproduction and Development, 2007, 74, 258-264.	2.0	15
62	Relationship between urinary Tammâ€“Horsfall protein excretion and renal function in dogs with naturally occurring renal disease. Veterinary Clinical Pathology, 2014, 43, 261-265.	0.7	15
63	Adolescent health in rural Ghana: A cross-sectional study on the co-occurrence of infectious diseases, malnutrition and cardio-metabolic risk factors. PLoS ONE, 2017, 12, e0180436.	2.5	15
64	Vitamin E and fatty acids in the grey seal (Halichoerus grypus). Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 1990, 159, 649-654.	1.5	14
65	Vitamin A, carotenoid and vitamin E plasma concentrations in children from Laos in relation to sex and growth failure. Nutrition Journal, 2003, 2, 17.	3.4	14
66	Excretion of Vitamin A in Urine of Women during Normal Pregnancy and Pregnancy Complications. Annals of Nutrition and Metabolism, 2004, 48, 357-364.	1.9	14
67	High-Normal C-Reactive Protein Levels Do Not Affect the Vitamin A Transport Complex in Serum of Children and Adolescents with Type 1 Diabetes. Pediatric Research, 2007, 62, 741-745.	2.3	14
68	Safety evaluation of vitamin A in growing dogs. British Journal of Nutrition, 2012, 108, 1800-1809.	2.3	14
69	Association of Thr420Lys polymorphism inDBPgene with fat-soluble vitamins and low radial bone mineral density in postmenopausal Thai women. Biomarkers in Medicine, 2012, 6, 103-108.	1.4	14
70	Validation of a new pointâ€ofâ€care assay for determination of Î²â€carotene concentration in bovine whole blood and plasma. Veterinary Clinical Pathology, 2012, 41, 119-122.	0.7	14
71	Regulation of expression of the retinoic acid-synthesising enzymes retinaldehyde dehydrogenases in the uteri of ovariectomised mice after treatment with oestrogen, gestagen and their combination. Reproduction, Fertility and Development, 2006, 18, 339.	0.4	13
72	Fatty acid composition of serum lipid classes in mice following allergic sensitisation with or without dietary docosahexaenoic acid-enriched fish oil substitution. British Journal of Nutrition, 2008, 99, 1239-1246.	2.3	13

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73	Lutein Specific Relationships among Some Spectrophotometric and Colorimetric Parameters of Chicken Egg Yolk. Journal of Poultry Science, 2017, 54, 271-277.	1.6	13
74	Transfer of fat-soluble vitamins and PCBs from mother to pups in grey seals (Halichoerus grypus). Comparative Biochemistry and Physiology C, Comparative Pharmacology and Toxicology, 1994, 109, 111-117.	0.5	12
75	Modulation of Absorption of Beta-Carotene and Tissue Accumulation of Beta-Carotene and Vitamin A by Different Surfactants in Rats. Annals of Nutrition and Metabolism, 2002, 46, 200-204.	1.9	12
76	Automated solid-phase extraction and liquid chromatographic method for retinoid determination in biological samples. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2003, 798, 309-316.	2.3	12
77	Alteration of Transthyretin Microheterogeneity in Serum of Multiple Trauma Patients. Biomarker Insights, 2007, 2, 117727190700200.	2.5	12
78	Effect of renal replacement therapy on retinol-binding protein 4 isoforms. Clinica Chimica Acta, 2009, 401, 46-50.	1.1	12
79	Serum carotenoids and atopy among children of different ethnic origin living in Germany. Pediatric Allergy and Immunology, 2010, 21, 1072-1075.	2.6	12
80	Low Plasma Î±-Tocopherol Concentrations and Adverse Clinical Outcomes in Diabetic Hemodialysis Patients. Clinical Journal of the American Society of Nephrology: CJASN, 2013, 8, 452-458.	4.5	12
81	Caenorhabditis elegans as a model system to study post-translational modifications of human transthyretin. Scientific Reports, 2016, 6, 37346.	3.3	12
82	Characterisation of protein microheterogeneity and protein complexes using on-chip immunoaffinity purification-mass spectrometry. Briefings in Functional Genomics & Proteomics, 2005, 4, 7-15.	3.8	11
83	Genetic differences in the serum proteome of horses, donkeys and mules are detectable by protein profiling. British Journal of Nutrition, 2011, 106, S170-S173.	2.3	11
84	Retinol binding protein 4 and retinol in steatotic and nonsteatotic rat livers in the setting of partial hepatectomy under ischemia/reperfusion. Liver Transplantation, 2012, 18, 1198-1208.	2.4	11
85	The Ferret as a Model for Vitamin A Metabolism in Carnivores. Journal of Nutrition, 2002, 132, 1787S-1789S.	2.9	10
86	Characterisation of transthyretin and retinol-binding protein in plasma and cerebrospinal fluid of dogs. Veterinary Journal, 2006, 171, 451-455.	1.7	10
87	Structural modifications of serum transthyretin in rats during proteinâ€energy malnutrition. Rapid Communications in Mass Spectrometry, 2008, 22, 3270-3274.	1.5	10
88	Vitamin D-binding protein and its polymorphisms as a predictor for metabolic syndrome. Biomarkers in Medicine, 2018, 12, 465-473.	1.4	10
89	Zinc protoporphyrin levels in COVID-19 are indicative of iron deficiency and potential predictor of disease severity. PLoS ONE, 2022, 17, e0262487.	2.5	10
90	Identification of 14-hydroxy-retro-retinol and 4-hydroxy-retinol as endogenous retinoids in rats throughout neonatal development. Life Sciences, 2005, 76, 1613-1622.	4.3	9

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91	Vitamin A: potential misclassification of vitamin A status among patients with type 2 diabetes and hypertension in urban Ghana. American Journal of Clinical Nutrition, 2015, 102, 207-214.	4.7	9
92	Low breastmilk vitamin A concentration is prevalent in rural Ethiopia. European Journal of Clinical Nutrition, 2019, 73, 1110-1116.	2.9	9
93	Distribution of endogenous retinoids, retinoid binding proteins (RBP, CRABPI) and nuclear retinoid X receptor ? (RXR?) in the porcine embryo. Reproduction, Nutrition, Development, 2002, 42, 285-294.	1.9	8
94	Great apes show highly selective plasma carotenoids and have physiologically high plasma retinyl esters compared to humans. American Journal of Physical Anthropology, 2006, 131, 236-242.	2.1	8
95	Transthyretin Predicts Cardiovascular Outcome in Hemodialysis Patients With Type 2 Diabetes. Diabetes Care, 2012, 35, 2365-2372.	8.6	8
96	Impact of Increasing Dietary Calcium Levels on Calcium Excretion and Vitamin D Metabolites in the Blood of Healthy Adult Cats. PLoS ONE, 2016, 11, e0149190.	2.5	8
97	Technical note: Rapid field test for the quantification of vitamin E, Î²-carotene, and vitamin A in whole blood and plasma of dairy cattle. Journal of Dairy Science, 2019, 102, 11744-11750.	3.4	8
98	Retinoid Concentrations in the Mouse during Postnatal Development and after Maternal Vitamin A Supplementation. Annals of Nutrition and Metabolism, 2005, 49, 333-341.	1.9	7
99	Urinary vitaminÂA excretion in very low birth weight infants. Pediatric Nephrology, 2009, 24, 61-66.	1.7	7
100	Analyses of the correlation between dermal and blood carotenoids in female cattle by optical methods. Journal of Biomedical Optics, 2012, 18, 061219.	2.6	7
101	Does N-Acetylcysteine Modulate Post-Translational Modifications of Transthyretin in Hemodialysis Patients?. Antioxidants and Redox Signaling, 2013, 19, 1166-1172.	5.4	7
102	Influence of hormone replacement therapy on proteomic pattern in serum of postmenopausal women. Maturitas, 2005, 51, 334-342.	2.4	6
103	Effect of vitamin A supplementation on the urinary retinol excretion in very low birth weight infants. European Journal of Pediatrics, 2016, 175, 365-372.	2.7	6
104	Validation of blood vitamin A concentrations in cattle: comparison of a new cow-side test (iCheckâ„¢) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.9	6
105	Mechanisms Involved in the Intestinal Digestion and Absorption of Dietary Vitamin A. Journal of Nutrition, 2002, 132, 324.	2.9	5
106	The Relative Dose Response Test Based on Retinol-Binding Protein 4 Is Not Suitable to Assess Vitamin A Status in Very Low Birth Weight Infants. Neonatology, 2014, 105, 155-160.	2.0	5
107	First trimester TTR-RBP4-ROH complex and angiogenic factors in the prediction of small for gestational age infantâ€™s outcome. Archives of Gynecology and Obstetrics, 2017, 295, 1157-1165.	1.7	5
108	Alteration of transthyretin microheterogeneity in serum of multiple trauma patients. Biomarker Insights, 2007, 2, 299-306.	2.5	5

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109	CYP26A1-specific antagonist influence on embryonic implantation, gene expression and endogenous retinoid concentration in rats. Reproductive Toxicology, 2010, 30, 446-451.	2.9	4
110	Vitamin A metabolism is changed in donors after living-kidney transplantation: an observational study. Lipids in Health and Disease, 2011, 10, 231.	3.0	4
111	Influence of hepatic load from far-off dry period to early postpartum period on the first postpartum ovulation and accompanying subsequent fertility in dairy cows. Journal of Reproduction and Development, 2016, 62, 289-295.	1.4	4
112	Determination of lipid profiles in serum of obese ponies before and after weight reduction by using multi-one-dimensional thin-layer chromatography. Research in Veterinary Science, 2018, 117, 111-117.	1.9	4
113	Physical and Chemical Quality of Eggs from Commercial Chickens in Bangladesh. International Journal of Poultry Science, 2017, 16, 221-227.	0.1	4
114	Concentration of carotenoids, retinol and Î±-tocopherol in plasma of six microchiroptera species. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2007, 147, 492-497.	1.6	3
115	Modification of aluminum chips for LDI mass spectrometry of proteins. Journal of Mass Spectrometry, 2007, 42, 1504-1513.	1.6	3
116	Plasma concentration of Î±-tocopherol in different free-ranging birds of prey. European Journal of Wildlife Research, 2011, 57, 1043-1049.	1.4	3
117	Energy intake, growth rate and body composition of young Labrador Retrievers and Miniature Schnauzers fed different dietary levels of vitamin A. British Journal of Nutrition, 2014, 111, 2104-2111.	2.3	3
118	Proteomic distinction between humans and great apes based on plasma transthyretin microheterogeneity. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2007, 2, 144-149.	1.0	2
119	Increased antioxidant capacity in the plasma of dogs after a single oral dosage of tocotrienols. British Journal of Nutrition, 2011, 106, S116-S119.	2.3	2
120	Inadequate Attempts to Measure the Microheterogeneity of Transthyretin by Low-Resolution Mass Spectrometry - Reply. Clinical Chemistry, 2005, 51, 1300-1301.	3.2	1
121	Urinary protein profiling with surface-enhanced laser desorption/ionization time-of-flight mass spectrometry in ETB receptor-deficient ratsThis article is one of a selection of papers published in the special issue (part 2 of 2) on Forefronts in Endothelin.. Canadian Journal of Physiology and Pharmacology, 2008, 86, 566-570.	1.4	1
122	Carotenoid Status of Poultry Egg under Different Feeding System in Bangladesh. International Journal of Poultry Science, 2017, 16, 228-232.	0.1	0