

Johanna M Gostner

List of Publications by Year in descending order

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Version: 2024-02-01

90
papers

2,883
citations

201575

27
h-index

189801

50
g-index

96
all docs

96
docs citations

96
times ranked

5744
citing authors

#	ARTICLE	IF	CITATIONS
1	Antioxidants, inflammation and cardiovascular disease. <i>World Journal of Cardiology</i> , 2014, 6, 462.	0.5	262
2	Probiotic Supplementation in Patients with Alzheimer's Dementia - An Explorative Intervention Study. <i>Current Alzheimer Research</i> , 2018, 15, 1106-1113.	0.7	181
3	TROP2: a novel prognostic marker in squamous cell carcinoma of the oral cavity. <i>Modern Pathology</i> , 2008, 21, 186-191.	2.9	141
4	Redox regulation of the immune response. <i>Redox Report</i> , 2013, 18, 88-94.	1.4	141
5	Mood, food, and cognition. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2016, 19, 55-61.	1.3	136
6	CSF Biomarkers in Patients With COVID-19 and Neurologic Symptoms. <i>Neurology</i> , 2021, 96, e294-e300.	1.5	118
7	Tryptophan Metabolism and Related Pathways in Psychoneuroimmunology: The Impact of Nutrition and Lifestyle. <i>Neuropsychobiology</i> , 2020, 79, 89-99.	0.9	103
8	Pathogenic mutations inactivate parkin by distinct mechanisms. <i>Journal of Neurochemistry</i> , 2005, 92, 114-122.	2.1	98
9	Probiotic Supplements Beneficially Affect Tryptophan-Kynurenine Metabolism and Reduce the Incidence of Upper Respiratory Tract Infections in Trained Athletes: A Randomized, Double-Blinded, Placebo-Controlled Trial. <i>Nutrients</i> , 2016, 8, 752.	1.7	87
10	Frailty in Older Adults Is Associated With Plasma Concentrations of Inflammatory Mediators but Not With Lymphocyte Subpopulations. <i>Frontiers in Immunology</i> , 2018, 9, 1056.	2.2	78
11	Serum tryptophan, kynurenine, phenylalanine, tyrosine and neopterin concentrations in 100 healthy blood donors. <i>Pteridines</i> , 2015, 26, 31-36.	0.5	70
12	Mechanisms of Inflammation-Associated Depression: Immune Influences on Tryptophan and Phenylalanine Metabolisms. <i>Current Topics in Behavioral Neurosciences</i> , 2016, 31, 95-115.	0.8	70
13	Tryptophan Metabolism in Allergic Disorders. <i>International Archives of Allergy and Immunology</i> , 2016, 169, 203-215.	0.9	64
14	The good and bad of antioxidant foods: An immunological perspective. <i>Food and Chemical Toxicology</i> , 2015, 80, 72-79.	1.8	63
15	Kynurenine pathway metabolism and immune activation: Peripheral measurements in psychiatric and co-morbid conditions. <i>Neuropharmacology</i> , 2017, 112, 286-296.	2.0	62
16	Effects of EpCAM overexpression on human breast cancer cell lines. <i>BMC Cancer</i> , 2011, 11, 45.	1.1	60
17	Inhibition of Collagenase by Mycosporine-like Amino Acids from Marine Sources. <i>Planta Medica</i> , 2015, 81, 813-820.	0.7	55
18	Disturbed Amino Acid Metabolism in HIV: Association with Neuropsychiatric Symptoms. <i>Frontiers in Psychiatry</i> , 2015, 6, 97.	1.3	53

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19	Immunomodulatory Effects of the Mycosporine-Like Amino Acids Shinorine and Porphyrin-334. <i>Marine Drugs</i> , 2016, 14, 119.	2.2	50
20	Comparison of in vitro tests for antioxidant and immunomodulatory capacities of compounds. <i>Phytomedicine</i> , 2014, 21, 164-171.	2.3	46
21	Serum neopterin levels in relation to mild and severe COVID-19. <i>BMC Infectious Diseases</i> , 2020, 20, 942.	1.3	42
22	Immunological alterations in frail older adults: A cross sectional study. <i>Experimental Gerontology</i> , 2018, 112, 119-126.	1.2	41
23	Frailty Status in Older Adults Is Related to Alterations in Indoleamine 2,3-Dioxygenase 1 and Guanosine Triphosphate Cyclohydrolase I Enzymatic Pathways. <i>Journal of the American Medical Association</i> , 2017, 18, 1049-1057.	1.2	40
24	The potential of targeting indoleamine 2,3-dioxygenase for cancer treatment. <i>Expert Opinion on Therapeutic Targets</i> , 2015, 19, 605-615.	1.5	38
25	TiO ₂ nanoparticles and bulk material stimulate human peripheral blood mononuclear cells. <i>Food and Chemical Toxicology</i> , 2014, 65, 63-69.	1.8	37
26	Viral Antigen and Inflammatory Biomarkers in Cerebrospinal Fluid in Patients With COVID-19 Infection and Neurologic Symptoms Compared With Control Participants Without Infection or Neurologic Symptoms. <i>JAMA Network Open</i> , 2022, 5, e2213253.	2.8	35
27	The haemochromatosis gene Hfe and Kupffer cells control LDL cholesterol homeostasis and impact on atherosclerosis development. <i>European Heart Journal</i> , 2020, 41, 3949-3959.	1.0	32
28	Bisphenol A suppresses Th1-type immune response in human peripheral blood mononuclear cells in vitro. <i>Immunology Letters</i> , 2015, 168, 285-292.	1.1	31
29	Immune activation and inflammation increase the plasma phenylalanine-to-tyrosine ratio. <i>Pteridines</i> , 2013, 24, 27-31.	0.5	28
30	Knock-on effect of periodontitis to the pathogenesis of Alzheimer's disease?. <i>Wiener Klinische Wochenschrift</i> , 2020, 132, 493-498.	1.0	28
31	Immunoregulatory Impact of Food Antioxidants. <i>Current Pharmaceutical Design</i> , 2014, 20, 840-849.	0.9	28
32	Ice-Age Climate Adaptations Trap the Alpine Marmot in a State of Low Genetic Diversity. <i>Current Biology</i> , 2019, 29, 1712-1720.e7.	1.8	27
33	Lignans from <i>Carthamus tinctorius</i> suppress tryptophan breakdown via indoleamine 2,3-dioxygenase. <i>Phytomedicine</i> , 2013, 20, 1190-1195.	2.3	23
34	Quantitative Ethylene Measurements with MOx Chemiresistive Sensors at Different Relative Air Humidities. <i>Sensors</i> , 2015, 15, 28088-28098.	2.1	23
35	Coffee Extracts Suppress Tryptophan Breakdown in Mitogen-Stimulated Peripheral Blood Mononuclear Cells. <i>Journal of the American College of Nutrition</i> , 2015, 34, 212-223.	1.1	23
36	Cellular reactions to long-term volatile organic compound (VOC) exposures. <i>Scientific Reports</i> , 2016, 6, 37842.	1.6	21

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37	Lavender oil suppresses indoleamine 2,3-dioxygenase activity in human PBMC. BMC Complementary and Alternative Medicine, 2014, 14, 503.	3.7	20
38	Pharmacological Targets of Kaempferol Within Inflammatory Pathways—A Hint Towards the Central Role of Tryptophan Metabolism. Antioxidants, 2020, 9, 180.	2.2	20
39	Regular consumption of black tea increases circulating kynurenine concentrations: A randomized controlled trial. BBA Clinical, 2015, 3, 31-35.	4.1	19
40	Antimalarial drug chloroquine counteracts activation of indoleamine (2,3)-dioxygenase activity in human PBMC. FEBS Open Bio, 2012, 2, 241-245.	1.0	18
41	An update on the strategies in multicomponent activity monitoring within the phytopharmaceutical field. BMC Complementary and Alternative Medicine, 2012, 12, 18.	3.7	17
42	Tolerability of inhaled N-chlorotaurine in humans: a double-blind randomized phase I clinical study. Therapeutic Advances in Respiratory Disease, 2018, 12, 175346661877895.	1.0	17
43	Neopterin levels and Kyn/Trp ratios were significantly increased in dengue virus patients and subsequently decreased after recovery. International Journal of Infectious Diseases, 2020, 91, 162-168.	1.5	17
44	Pathway-focused bioassays and transcriptome analysis contribute to a better activity monitoring of complex herbal remedies. BMC Genomics, 2013, 14, 133.	1.2	16
45	A combinatorial approach for the discovery of cytochrome P450 2D6 inhibitors from nature. Scientific Reports, 2017, 7, 8071.	1.6	16
46	Terpenoids from the Stems of <i>Fissistigma polyanthoides</i> and Their Anti-Inflammatory Activity. Journal of Natural Products, 2019, 82, 2941-2952.	1.5	16
47	Immunomodulatory Effects of Diterpene Quinone Derivatives from the Roots of <i>Horminum pyrenaicum</i> in Human PBMC. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-10.	1.9	15
48	The Role of Tryptophan-Kynurenine in Feather Pecking in Domestic Chicken Lines. Frontiers in Veterinary Science, 2019, 6, 209.	0.9	15
49	Sex Specific Changes in Tryptophan Breakdown Over a 6 Week Treatment Period. Frontiers in Psychiatry, 2019, 10, 74.	1.3	14
50	Resveratrol intake enhances indoleamine-2,3-dioxygenase activity in humans. Pharmacological Reports, 2016, 68, 1065-1068.	1.5	13
51	Immunomodulatory effects in vitro of vitamin K antagonist acenocoumarol. Thrombosis Research, 2013, 131, e264-e269.	0.8	12
52	Immunobiochemical pathways of neopterin formation and tryptophan breakdown via indoleamine 2,3-dioxygenase correlate with circulating tumor cells in ovarian cancer patients—A study of the OVCAD consortium. Gynecologic Oncology, 2018, 149, 371-380.	0.6	11
53	Phenolic compounds from the stems of <i>Fissistigma polyanthoides</i> and their anti-oxidant activities. F&A-toterap, 2019, 137, 104252.	1.1	11
54	Ingestion of <i>Lactobacillus rhamnosus</i> modulates chronic stress-induced feather pecking in chickens. Scientific Reports, 2021, 11, 17119.	1.6	11

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55	L. rhamnosus improves the immune response and tryptophan catabolism in laying hen pullets. <i>Scientific Reports</i> , 2021, 11, 19538.	1.6	11
56	Tryptophan Metabolism in Bipolar Disorder in a Longitudinal Setting. <i>Antioxidants</i> , 2021, 10, 1795.	2.2	11
57	Prevention of lethal murine pancreas ischemia reperfusion injury is specific for tetrahydrobiopterin. <i>Transplant International</i> , 2012, 25, 1084-1095.	0.8	10
58	Influence of Antioxidants on Leptin Metabolism and its Role in the Pathogenesis of Obesity. <i>Advances in Experimental Medicine and Biology</i> , 2017, 960, 399-413.	0.8	10
59	Contradictory effects of chemical filters in UV/ROS-stressed human keratinocyte and fibroblast cells. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2019, 36, 231-244.	0.9	10
60	Bioactivities of two common polyphenolic compounds: Verbascoside and catechin. <i>Pharmaceutical Biology</i> , 2016, 54, 712-719.	1.3	9
61	No Changes in Human Immunodeficiency Virus (HIV) Suppression and Inflammatory Markers in Cerebrospinal Fluid in Patients Randomly Switched to Dolutegravir Plus Lamivudine (Spanish HIV/AIDS) Tj ETQq1 1 0.7843149gBT /Over	0.7	9
62	Immunometabolism in the Pathogenesis of Depressive Disorders - Therapeutic Considerations. <i>Current Topics in Medicinal Chemistry</i> , 2018, 18, 1408-1415.	1.0	9
63	Changing Metabolic Patterns along the Colorectal Adenoma-Carcinoma Sequence. <i>Journal of Clinical Medicine</i> , 2022, 11, 721.	1.0	9
64	Acute and Chronic Mental Stress both Influence Levels of Neurotransmitter Precursor Amino Acids and Derived Biogenic Amines. <i>Brain Sciences</i> , 2020, 10, 322.	1.1	8
65	Immunomodulatory properties of cacao extracts - potential consequences for medical applications. <i>Frontiers in Pharmacology</i> , 2013, 4, 154.	1.6	7
66	Effects of globularifolin on cell survival, nuclear factor- κ B activity, neopterin production, tryptophan breakdown and free radicals in vitro. <i>FÄ-toterapÄ-t</i> , 2014, 92, 85-92.	1.1	7
67	Increased immune activation and signs of neuronal injury in HIV-negative people on preexposure prophylaxis. <i>Aids</i> , 2021, 35, 2129-2136.	1.0	6
68	On the Possible Relevance of Bottom-up Pathways in the Pathogenesis of Alzheimer's Disease. <i>Current Topics in Medicinal Chemistry</i> , 2020, 20, 1415-1421.	1.0	6
69	Exploring Early Detection of Frailty Syndrome in Older Adults: Evaluation of Oxi-Immune Markers, Clinical Parameters and Modifiable Risk Factors. <i>Antioxidants</i> , 2021, 10, 1975.	2.2	6
70	Biomarkers for the role of macrophages in the development and progression of atherosclerosis. <i>Atherosclerosis</i> , 2016, 255, 117-118.	0.4	5
71	The Impact of Cardiovascular Rehabilitation on Psychophysiological Stress, Personality and Tryptophan Metabolism: A Randomized Pilot Feasibility Study. <i>Antioxidants</i> , 2021, 10, 1425.	2.2	4
72	Carbon monoxide exposure may underlie the increased leukaemia risk in children living next to motor highways. <i>European Journal of Epidemiology</i> , 2015, 30, 1329-1330.	2.5	3

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73	Role of Tryptophan Metabolism in Mood, Behavior, and Cognition. , 2015, , 75-89.		3
74	Sodium Sulfite Exacerbates Allograft Vasculopathy and Affects Tryptophan Breakdown in Murine Heterotopic Aortic Transplantation. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-11.	1.9	3
75	Microbicidal activity of N-chlorotaurine can be enhanced in the presence of lung epithelial cells. Journal of Cystic Fibrosis, 2020, 19, 1011-1017.	0.3	3
76	Oxidized LDL Is Strictly Limited to Hyperthyroidism Irrespective of Fat Feeding in Female Sprague Dawley Rats. International Journal of Molecular Sciences, 2015, 16, 11689-11698.	1.8	2
77	The effect of sensor temperature and MOx layer thickness on the sensitivity of SnO ₂ - and WO ₃ -based chemiresistive sensors to ethylene gas. Proceedings of SPIE, 2015, , .	0.8	2
78	Homocysteine Biochemistry and Cognitive Decline in the Elderly. Journal of the American Medical Directors Association, 2017, 18, 893-894.	1.2	2
79	Cardioprotective effect of polyamine spermidine. American Journal of Clinical Nutrition, 2019, 109, 218.	2.2	2
80	Neurotransmitter Precursor Amino Acid Ratios Show Differential, Inverse Correlations with Depression Severity in the Low and High Depression Score Range. International Journal of Tryptophan Research, 2021, 14, 117864692110392.	1.0	2
81	Immunometabolism as predictor of frailty. Aging, 2021, 13, 24917-24918.	1.4	2
82	Regulatory T Cell Modulation by Lactobacillus rhamnosus Improves Feather Damage in Chickens. Frontiers in Veterinary Science, 2022, 9, 855261.	0.9	2
83	38 th International Winter-Workshop Clinical, Chemical and Biochemical Aspects of Pteridines and Related Topics Innsbruck, February 26 th – March 1 st , 2019. Pteridines, 2019, 30, 74-102.	0.5	1
84	Oxyresveratrol modulates the immune response in vitro. Pteridines, 2021, 32, 70-78.	0.5	1
85	Asymmetric dimethylarginine: a risk indicator or pathogenic factor?. Polish Archives of Internal Medicine, 2016, 126, 621-622.	0.3	1
86	Neopterin suppresses the activity of tryptophan-degrading enzyme indoleamine 2,3-dioxygenase in human peripheral blood mononuclear cells. Pteridines, 2013, 24, 237-243.	0.5	0
87	Tryptophan and Nitric Oxide in Allergy. Molecular and Integrative Toxicology, 2015, , 55-73.	0.5	0
88	Physical activity to counteract the impact of alcohol intake on overall mortality risks. British Journal of Sports Medicine, 2017, 51, 692-692.	3.1	0
89	Metabolic Stress and Immunity: Nutrient-Sensing Kinases and Tryptophan Metabolism. Advances in Experimental Medicine and Biology, 2021, 1275, 395-405.	0.8	0
90	Tolerability of anti-infective N-chlortaurine inhaled with a smart-nebuliser. , 2018, , .		0