

Eduardo Ortega

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5749506/publications.pdf>

Version: 2024-02-01

108
papers

3,166
citations

109321

35
h-index

197818

49
g-index

111
all docs

111
docs citations

111
times ranked

2780
citing authors

#	ARTICLE	IF	CITATIONS
1	Balneotherapy, Immune System, and Stress Response: A Hormetic Strategy?. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1687.	4.1	112
2	Circadian rhythm of melatonin, corticosterone and phagocytosis: effect of stress. <i>Journal of Pineal Research</i> , 2001, 30, 180-187.	7.4	104
3	Effect of orally administered L-tryptophan on serotonin, melatonin, and the innate immune response in the rat. <i>Molecular and Cellular Biochemistry</i> , 2004, 267, 39-46.	3.1	90
4	Inflammatory/Stress Feedback Dysregulation in Women with Fibromyalgia. <i>NeuroImmunoModulation</i> , 2012, 19, 343-351.	1.8	89
5	Fibromyalgia: Anti-Inflammatory and Stress Responses after Acute Moderate Exercise. <i>PLoS ONE</i> , 2013, 8, e74524.	2.5	72
6	Stimulation of the phagocytic function of neutrophils in sedentary men after acute moderate exercise. <i>European Journal of Applied Physiology and Occupational Physiology</i> , 1993, 66, 60-64.	1.2	70
7	Neuroendocrine mediators in the modulation of phagocytosis by exercise: physiological implications. <i>Exercise Immunology Review</i> , 2003, 9, 70-93.	0.4	70
8	Strategies to Improve the Functions and Redox State of the Immune System in Aged Subjects. <i>Current Pharmaceutical Design</i> , 2011, 17, 3966-3993.	1.9	65
9	Aquatic exercise improves the monocyte pro- and anti-inflammatory cytokine production balance in fibromyalgia patients. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2012, 22, 104-112.	2.9	65
10	Exercise-induced stimulation of murine macrophage chemotaxis: role of corticosterone and prolactin as mediators.. <i>Journal of Physiology</i> , 1997, 498, 729-734.	2.9	63
11	Exercise Intensity-Dependent Changes in the Inflammatory Response in Sedentary Women: Role of Neuroendocrine Parameters in the Neutrophil Phagocytic Process and the Pro-/Anti-Inflammatory Cytokine Balance. <i>NeuroImmunoModulation</i> , 2009, 16, 237-244.	1.8	62
12	The effect of stress-inducible extracellular Hsp72 on human neutrophil chemotaxis: A role during acute intense exercise. <i>Stress</i> , 2009, 12, 240-249.	1.8	60
13	Anti-inflammatory effect as a mechanism of effectiveness underlying the clinical benefits of pelotherapy in osteoarthritis patients: regulation of the altered inflammatory and stress feedback response. <i>International Journal of Biometeorology</i> , 2017, 61, 1777-1785.	3.0	57
14	Norepinephrine as mediator in the stimulation of phagocytosis induced by moderate exercise. <i>European Journal of Applied Physiology</i> , 2005, 93, 714-718.	2.5	54
15	A study of the role of corticosterone as a mediator in exercise-induced stimulation of murine macrophage phagocytosis.. <i>Journal of Physiology</i> , 1995, 488, 789-794.	2.9	53
16	An exploratory study of the effect of regular aquatic exercise on the function of neutrophils from women with fibromyalgia: Role of IL-8 and noradrenaline. <i>Brain, Behavior, and Immunity</i> , 2014, 39, 107-112.	4.1	53
17	Regulation of phagocytic process of macrophages by noradrenaline and its end metabolite 4-hydroxy-3-metoxyphenyl-glycol. Role of alpha- and beta-adrenoreceptors. <i>Molecular and Cellular Biochemistry</i> , 2003, 254, 299-304.	3.1	52
18	Neuroimmunomodulation during Exercise: Role of Catecholamines as "Stress Mediator" and/or "Danger Signal" for the Innate Immune Response. <i>NeuroImmunoModulation</i> , 2007, 14, 206-212.	1.8	52

#	ARTICLE	IF	CITATIONS
19	Effect of temperature on the immune system of a cyprinid fish (<i>Tinca tinca</i> , L). Blood phagocyte function at low temperature. <i>Fish and Shellfish Immunology</i> , 1994, 4, 231-238.	3.6	51
20	Physiology and Biochemistry: Influence of Exercise on Phagocytosis. <i>International Journal of Sports Medicine</i> , 1994, 15, S172-S178.	1.7	50
21	The interleukin-6 and noradrenaline mediated inflammation-stress feedback mechanism is dysregulated in metabolic syndrome: Effect of exercise. <i>Cardiovascular Diabetology</i> , 2011, 10, 42.	6.8	50
22	The "bioregulatory effect of exercise" on the innate/inflammatory responses. <i>Journal of Physiology and Biochemistry</i> , 2016, 72, 361-369.	3.0	50
23	Role of Hsp72 and norepinephrine in the moderate exercise-induced stimulation of neutrophils' microbicide capacity. <i>European Journal of Applied Physiology</i> , 2006, 98, 250-255.	2.5	48
24	Influence of gender and oral contraceptives intake on innate and inflammatory response. Role of neuroendocrine factors. <i>Molecular and Cellular Biochemistry</i> , 2008, 313, 147-153.	3.1	48
25	Modulation of adherence and chemotaxis of macrophages by norepinephrine. Influence of ageing. <i>Molecular and Cellular Biochemistry</i> , 2000, 203, 113-117.	3.1	45
26	Seasonal variation in haematological parameters in male and female <i>Tinca tinca</i> . <i>Molecular and Cellular Biochemistry</i> , 1998, 183, 165-168.	3.1	43
27	An Analysis of Defensive Strategies Used by Home and Away Basketball Teams. <i>Perceptual and Motor Skills</i> , 2010, 110, 159-166.	1.3	43
28	Stimulation of the phagocytic function in guinea pig peritoneal macrophages by physical activity stress. <i>European Journal of Applied Physiology and Occupational Physiology</i> , 1992, 64, 323-327.	1.2	42
29	Physiological concentrations of melatonin and corticosterone affect phagocytosis and oxidative metabolism of ring dove heterophils. <i>Journal of Pineal Research</i> , 2001, 31, 31-38.	7.4	42
30	Altered profile of chemokines in fibromyalgia patients. <i>Annals of Clinical Biochemistry</i> , 2014, 51, 576-581.	1.6	42
31	Effect of age and of swimming-induced stress on the phagocytic capacity of peritoneal macrophages from mice. <i>Mechanisms of Ageing and Development</i> , 1993, 70, 53-63.	4.6	40
32	Decline in the phagocytic function of alveolar macrophages from mice exposed to cigarette smoke. <i>Comparative Immunology, Microbiology and Infectious Diseases</i> , 1994, 17, 77-84.	1.6	40
33	Exercise-induced extracellular 72 kDa heat shock protein (Hsp72) stimulates neutrophil phagocytic and fungicidal capacities via TLR-2. <i>European Journal of Applied Physiology</i> , 2010, 108, 217-225.	2.5	40
34	Changes in the phagocytic function of peritoneal macrophages from old mice after strenuous physical exercise. <i>Comparative Immunology, Microbiology and Infectious Diseases</i> , 1990, 13, 189-198.	1.6	37
35	Melatonin controls superoxide anion level: Modulation of superoxide dismutase activity in ring dove heterophils. <i>Journal of Pineal Research</i> , 1998, 24, 9-14.	7.4	37
36	Optimum conditions for the activation of the alternative complement pathway of a cyprinid fish (<i>Tinca tinca</i> L.). Seasonal variations in the titres. <i>Fish and Shellfish Immunology</i> , 1994, 4, 499-506.	3.6	36

#	ARTICLE	IF	CITATIONS
37	Corticosterone, Prolactin and Thyroid Hormones as Hormonal Mediators of the Stimulated Phagocytic Capacity of Peritoneal Macrophages After High-Intensity Exercise. <i>International Journal of Sports Medicine</i> , 1996, 17, 149-155.	1.7	36
38	Study of the phagocytic process in neutrophils from elite sportswomen. <i>European Journal of Applied Physiology and Occupational Physiology</i> , 1993, 66, 37-42.	1.2	34
39	Influence of exercise on the circulating levels and macrophage production of IL-1 β and IFN γ affected by metabolic syndrome: an obese Zucker rat experimental animal model. <i>European Journal of Applied Physiology</i> , 2009, 107, 535-543.	2.5	34
40	Effect of age on adherence and chemotaxis capacities of peritoneal macrophages. Influence of physical activity stress. <i>Mechanisms of Ageing and Development</i> , 1994, 75, 179-189.	4.6	33
41	Exercise-induced stress enhances mammary tumor growth in rats: Beneficial effect of the hormone melatonin. <i>Molecular and Cellular Biochemistry</i> , 2007, 294, 19-24.	3.1	32
42	Exercise-induced stimulation of murine macrophage phagocytosis may be mediated by thyroxine. <i>Journal of Applied Physiology</i> , 1996, 80, 899-903.	2.5	30
43	Suppression of both basal and antigen-induced lipid peroxidation in ring dove heterophils by melatonin. <i>Biochemical Pharmacology</i> , 1999, 58, 1301-1306.	4.4	30
44	Comparative study of the heterophil phagocytic function in young and old ring doves (<i>Streptopelia</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Systemic, and Environmental Physiology, 2004, 174, 421-7.	1.5	30
45	Innate/inflammatory bioregulation and clinical effectiveness of whole-body hyperthermia (balneotherapy) in elderly patients with osteoarthritis. <i>International Journal of Hyperthermia</i> , 2018, 35, 340-347.	2.5	29
46	Seasonal variations in the immune system of the cyprinid <i>Tinca tinca</i> . Phagocytic function. <i>Comparative Immunology, Microbiology and Infectious Diseases</i> , 1995, 18, 105-113.	1.6	28
47	Changes with aging in the modulation of macrophages by norepinephrine. <i>Mechanisms of Ageing and Development</i> , 2000, 118, 103-114.	4.6	28
48	Noradrenaline increases the expression and release of Hsp72 by human neutrophils. <i>Brain, Behavior, and Immunity</i> , 2010, 24, 672-677.	4.1	27
49	Physiological Concentrations of Melatonin and Corticosterone in Stress and their Relationship with Phagocytic Activity. <i>Journal of Neuroendocrinology</i> , 2002, 14, 691-695.	2.6	26
50	Phagocytosis of latex beads by alveolar macrophages from mice exposed to cigarette smoke. <i>Comparative Immunology, Microbiology and Infectious Diseases</i> , 1992, 15, 137-142.	1.6	25
51	Differential Health Effects on Inflammatory, Immunological and Stress Parameters in Professional Soccer Players and Sedentary Individuals after Consuming a Synbiotic. A Triple-Blinded, Randomized, Placebo-Controlled Pilot Study. <i>Nutrients</i> , 2021, 13, 1321.	4.1	24
52	Melatonin and the phagocytic process of heterophils from the ring dove (<i>Streptopelia risoria</i>). <i>Molecular and Cellular Biochemistry</i> , 1997, 168, 185-190.	3.1	23
53	Phagocytosis of <i>Candida albicans</i> and Superoxide Anion Levels in Ring Dove (<i>Streptopelia risoria</i>) Heterophils: Effect of Melatonin. <i>Journal of Neuroendocrinology</i> , 2003, 15, 1111-1115.	2.6	23
54	Effect of physical activity stress on the phagocytic process of peritoneal macrophages from old guinea pigs. <i>Mechanisms of Ageing and Development</i> , 1992, 65, 157-165.	4.6	22

#	ARTICLE	IF	CITATIONS
55	Increased phagocytic activity of polymorphonuclear leukocytes during pregnancy. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 1994, 57, 43-46.	1.1	22
56	A single session of intense exercise improves the inflammatory response in healthy sedentary women. <i>Journal of Physiology and Biochemistry</i> , 2011, 67, 87-94.	3.0	22
57	Balneotherapy year in review 2021: focus on the mechanisms of action of balneotherapy in rheumatic diseases. <i>Environmental Science and Pollution Research</i> , 2022, 29, 8054-8073.	5.3	22
58	Hsp72, inflammation, and aging: causes, consequences, and perspectives. <i>Annals of the New York Academy of Sciences</i> , 2012, 1261, 64-71.	3.8	21
59	Ageing modulates some aspects of the non-specific immune response of murine macrophages and lymphocytes. <i>Experimental Physiology</i> , 2000, 85, 519-525.	2.0	21
60	Immune-Neuroendocrine Dysregulation in Patients with Osteoarthritis: A Revision and a Pilot Study. <i>Endocrine, Metabolic and Immune Disorders - Drug Targets</i> , 2017, 17, 78-85.	1.2	21
61	Hsp70 basal levels, a tissue marker of the rate of aging and longevity in mice. <i>Experimental Gerontology</i> , 2016, 84, 21-28.	2.8	20
62	Effect of mud-bath therapy on the innate/inflammatory responses in elderly patients with osteoarthritis: a discussion of recent results and a pilot study on the role of the innate function of monocytes. <i>International Journal of Biometeorology</i> , 2020, 64, 927-935.	3.0	20
63	In vitro study of the phagocytic processes in splenic granulocytes of the tench (<i>Tinca tinca</i> , L.). <i>Developmental and Comparative Immunology</i> , 1992, 16, 431-439.	2.3	19
64	Effect of $\hat{1}2$ -endorphin on adherence, chemotaxis and phagocytosis of <i>Candida albicans</i> by peritoneal macrophages. <i>Comparative Immunology, Microbiology and Infectious Diseases</i> , 1996, 19, 267-274.	1.6	19
65	Adrenergic Regulation of Macrophage-Mediated Innate/Inflammatory Responses in Obesity and Exercise in this Condition: Role of $\hat{1}2$ Adrenergic Receptors. <i>Endocrine, Metabolic and Immune Disorders - Drug Targets</i> , 2019, 19, 1089-1099.	1.2	19
66	Effects of physical exercise and aging on ascorbic acid and superoxide anion levels in peritoneal macrophages from mice and guinea pigs. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 1995, 165, 315-319.	1.5	18
67	Effect of physical exercise on the phagocytic function of peritoneal macrophages from Swiss mice. <i>Comparative Immunology, Microbiology and Infectious Diseases</i> , 1993, 16, 29-37.	1.6	17
68	Habitual Physical Exercise Improves Macrophage IL-6 and TNF- $\hat{1}\pm$ Deregulated Release in the Obese Zucker Rat Model of the Metabolic Syndrome. <i>NeuroImmunoModulation</i> , 2011, 18, 123-130.	1.8	17
69	Anti-inflammatory effect of $\hat{1}2$ adrenergic stimulation on circulating monocytes with a pro-inflammatory state in high-fat diet-induced obesity. <i>Brain, Behavior, and Immunity</i> , 2019, 80, 564-572.	4.1	17
70	Effect of prolactin on the in vitro phagocytic capacity of macrophages. <i>Comparative Immunology, Microbiology and Infectious Diseases</i> , 1996, 19, 139-146.	1.6	16
71	Melatonin increases the survival time of animals with untreated mammary tumours: Neuroendocrine stabilization. <i>Molecular and Cellular Biochemistry</i> , 2005, 278, 15-20.	3.1	16
72	Role of phosphatidylinositol-3-kinase (PI3K), extracellular signal-regulated kinase (ERK) and nuclear transcription factor kappa $\hat{1}2$ (NF- $\hat{1}2$) on neutrophil phagocytic process of <i>Candida</i> $\hat{A}albicans$. <i>Molecular and Cellular Biochemistry</i> , 2010, 333, 115-120.	3.1	16

#	ARTICLE	IF	CITATIONS
73	Enhanced chemotaxis of macrophages by strenuous exercise in trained mice: thyroid hormones as possible mediators. <i>Molecular and Cellular Biochemistry</i> , 1999, 201, 41-47.	3.1	15
74	Phagocytic function in cyclists: correlation with catecholamines and cortisol. <i>Journal of Applied Physiology</i> , 2001, 91, 1067-1072.	2.5	15
75	Noradrenaline and its end metabolite 3-methoxy-4-hydroxyphenylglycol inhibit lymphocyte chemotaxis: role of alpha- and beta-adrenoreceptors. <i>Molecular and Cellular Biochemistry</i> , 2003, 254, 305-309.	3.1	15
76	Seasonal variations in the immune system of the tench, <i>Tinca tinca</i> (Cyprinidae): proliferative response of lymphocytes induced by mitogens. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 1996, 165, 592-595.	1.5	14
77	Oral Administration of Melatonin to Old Ring Doves (<i>Streptopelia risoria</i>) Increases Plasma Levels of Melatonin and Heterophil Phagocytic Activity. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2005, 60, 44-50.	3.6	14
78	Melatonin, lipid peroxidation, and age in heterophils from the ring dove (<i>Streptopelia risoria</i>). <i>Free Radical Research</i> , 2005, 39, 613-619.	3.3	13
79	Effects of Habitual Exercise on the eHsp72-Induced Release of Inflammatory Cytokines by Macrophages from Obese Zucker Rats. <i>International Journal of Sports Medicine</i> , 2013, 34, 559-564.	1.7	13
80	Physical activity, hydration and health. <i>Nutricion Hospitalaria</i> , 2014, 29, 1224-39.	0.3	12
81	Noradrenaline-mediated Inhibition of Inflammatory Cytokines is Altered in Macrophages from Obese Zucker Rats: Effect of Habitual Exercise. <i>Endocrine, Metabolic and Immune Disorders - Drug Targets</i> , 2013, 13, 234-239.	1.2	11
82	Modulation of superoxide anion levels of macrophages from young adult and old mice by the norepinephrine metabolite, 4-hydroxy-3-methoxyphenyl-glycol. <i>Experimental Gerontology</i> , 2002, 37, 395-400.	2.8	10
83	Enhanced granulocyte phagocytosis at low winter temperature and high summer temperature in the tench (<i>Tinca tinca</i> L.). <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , 1994, 109, 643-648.	0.6	9
84	Effect of high summer temperatures upon granulocyte phagocytic function of the tench (<i>Tinca tinca</i>). <i>Tj ETQqO O 0,rgBT /Overlock 10 TF</i>	1.8	9
85	<i>In Vitro</i> Study of the Effect of Adrenaline on the Functional Capacity of Human Neutrophils: Role During Exercise. <i>Journal of Neuroendocrinology</i> , 2002, 14, 824-828.	2.6	9
86	Obesity Affects β 2 Adrenergic Regulation of the Inflammatory Profile and Phenotype of Circulating Monocytes from Exercised Animals. <i>Nutrients</i> , 2019, 11, 2630.	4.1	9
87	β 2 Adrenergic Regulation of the Phagocytic and Microbicide Capacity of Macrophages from Obese and Lean Mice: Effects of Exercise. <i>Nutrients</i> , 2019, 11, 2721.	4.1	9
88	72 kDa Extracellular Heat Shock Protein (eHsp72), Norepinephrine (NE), and the Innate Immune Response Following Moderate Exercise. <i>Heat Shock Proteins</i> , 2010, , 327-350.	0.2	9
89	Effect of the preventive-therapeutic administration of melatonin on mammary tumour-bearing animals. <i>Molecular and Cellular Biochemistry</i> , 2005, 268, 25-31.	3.1	8
90	Adrenoreceptors are involved in the stimulation of neutrophils by exercise-induced circulating concentrations of Hsp72: cAMP as a potential intracellular danger signal. <i>Journal of Cellular Physiology</i> , 2012, 227, 604-608.	4.1	8

#	ARTICLE	IF	CITATIONS
91	Influence of physical activity stress and age on the ADCC of lymphocytes from mice. Archives of Gerontology and Geriatrics, 1993, 16, 93-101.	3.0	7
92	Influence of the temperature upon the proliferative response of lymphocytes of tench (<i>Tinca tinca</i>) during winter and summer. Comparative Immunology, Microbiology and Infectious Diseases, 1995, 18, 209-214.	1.6	7
93	Influence of exercise on NA- and Hsp72-induced release of IFN γ by the peritoneal suspension of macrophages and lymphocytes from genetically obese Zucker rats. Journal of Physiology and Biochemistry, 2013, 69, 125-131.	3.0	7
94	Combined activity of post-exercise concentrations of NA and eHsp72 on human neutrophil function: Role of cAMP. Journal of Cellular Physiology, 2013, 228, 1902-1906.	4.1	7
95	Immunomodulatory effects of <i>Santolina chamaecyparissus</i> leaf extracts on human neutrophil functions. Pharmaceutical Biology, 2016, 54, 667-673.	2.9	6
96	The Influence of Obesity and Weight Loss on the Bioregulation of Innate/Inflammatory Responses: Macrophages and Immunometabolism. Nutrients, 2022, 14, 612.	4.1	6
97	Effect of exercise without diet on functional capacity of peritoneal macrophages and TNF- α levels in blood and in adipose tissue in the obese Zucker rat model of the metabolic syndrome. Proceedings of the Nutrition Society, 2013, 72, .	1.0	5
98	Influence of Obesity and Exercise on β 2-Adrenergic-Mediated Anti-Inflammatory Effects in Peritoneal Murine Macrophages. Biomedicines, 2020, 8, 556.	3.2	5
99	Seasonal changes in phagocytic capacity and superoxide anion production of blood phagocytes from tench (<i>Tinca tinca</i> , L.). Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 1995, 165, 71-76.	1.5	4
100	Innate immune response of blood neutrophils in Iberian pigs under different production systems. Livestock Science, 2011, 138, 304-307.	1.6	4
101	Soluble fractalkine in the plasma of fibromyalgia patients. Anais Da Academia Brasileira De Ciencias, 2014, 86, 1915-1917.	0.8	4
102	β 2 Adrenergic Regulation of the Phagocytic and Microbicide Capacity of Circulating Monocytes: Influence of Obesity and Exercise. Nutrients, 2020, 12, 1438.	4.1	4
103	Phagocytes may counteract the "open window" situation during a bout of moderate exercise performed by sedentary individuals: role of noradrenaline. Journal of Applied Biomedicine, 2005, 3, 75-82.	1.7	4
104	Extracellular Hsp70 and Low-Grade Inflammation- and Stress-Related Pathologies. Heat Shock Proteins, 2018, , 13-38.	0.2	3
105	The Consumption of a Synbiotic Does Not Affect the Immune, Inflammatory, and Sympathovagal Parameters in Athletes and Sedentary Individuals: A Triple-Blinded, Randomized, Place-bo-Controlled Pilot Study. International Journal of Environmental Research and Public Health, 2022, 19, 3421.	2.6	2
106	In vitro Cholesterol Assimilation by <i>Bifidobacterium animalis</i> subsp. <i>lactis</i> (BPL1) Probiotic Bacteria under Intestinal Conditions.. Endocrine, Metabolic and Immune Disorders - Drug Targets, 2021, 21, .	1.2	1
107	Effect of serum from breast- or formula-fed infants on polymorphonuclear leukocyte function. Comparative Immunology, Microbiology and Infectious Diseases, 1997, 20, 21-27.	1.6	0
108	Effect of polar glycopeptidolipids from <i>Mycobacterium chelonae</i> (GPLp-Mc) on phagocytosis and superoxide anion production of macrophages from mice. Influence of physical activity. Molecular and Cellular Biochemistry, 1998, 183, 159-163.	3.1	0