

# Borja Guerra

## List of Publications by Year in descending order

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Version: 2024-02-01

58  
papers

1,590  
citations

331259

21  
h-index

301761

39  
g-index

59  
all docs

59  
docs citations

59  
times ranked

2306  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Exercise and Bone Mass in Adults. <i>Sports Medicine</i> , 2009, 39, 439-468.   | 3.1 | 290       |
| 2  | GLUT4 and Glycogen Synthase Are Key Players in Bed Rest-Induced Insulin Resistance. <i>Diabetes</i> , 2012, 61, 1090-1099.  | 0.3 | 91        |
| 3  | Plasma membrane oestrogen receptor mediates neuroprotection against beta-amyloid toxicity through activation of Raf-1/MEK/ERK cascade in septal-derived cholinergic SN56 cells. <i>Journal of Neurochemistry</i> , 2004, 91, 99-109.                | 2.1 | 84        |
| 4  | Normal mitochondrial function and increased fat oxidation capacity in leg and arm muscles in obese humans. <i>International Journal of Obesity</i> , 2011, 35, 99-108.  | 1.6 | 81        |
| 5  | Leptin receptors in human skeletal muscle. <i>Journal of Applied Physiology</i> , 2007, 102, 1786-1792.   | 1.2 | 79        |
| 6  | Estrogen Activates Classical and Alternative Mechanisms to Orchestrate Neuroprotection. <i>Current Neurovascular Research</i> , 2005, 2, 287-301.   | 0.4 | 72        |
| 7  | SIRT1, AMP-activated protein kinase phosphorylation and downstream kinases in response to a single bout of sprint exercise: influence of glucose ingestion. <i>European Journal of Applied Physiology</i> , 2010, 109, 731-743.                     | 1.2 | 72        |
| 8  | Increased oxidative stress and anaerobic energy release, but blunted Thr <sup>172</sup> -AMPK phosphorylation, in response to sprint exercise in severe acute hypoxia in humans. <i>Journal of Applied Physiology</i> , 2012, 113, 917-928.         | 1.2 | 66        |
| 9  | The Mevalonate Pathway, a Metabolic Target in Cancer Therapy. <i>Frontiers in Oncology</i> , 2021, 11, 626971.  | 1.3 | 64        |
| 10 | Estradiol prevents amyloid- $\beta$ peptide-induced cell death in a cholinergic cell line via modulation of a classical estrogen receptor. <i>Neuroscience</i> , 2003, 121, 917-926.  | 1.1 | 62        |
| 11 | An oestrogen membrane receptor participates in estradiol actions for the prevention of amyloid- $\beta$ peptide <sub>1-40</sub> -induced toxicity in septal-derived cholinergic SN56 cells. <i>Journal of Neurochemistry</i> , 2003, 85, 1180-1189. | 2.1 | 50        |
| 12 | Critical role for free radicals on sprint exercise-induced CaMKII and AMPK phosphorylation in human skeletal muscle. <i>Journal of Applied Physiology</i> , 2013, 114, 566-577.   | 1.2 | 48        |
| 13 | Leptin receptor 170 kDa (OB-R170) protein expression is reduced in obese human skeletal muscle: a potential mechanism of leptin resistance. <i>Experimental Physiology</i> , 2010, 95, 160-171.   | 0.9 | 47        |
| 14 | Gender Dimorphism in Skeletal Muscle Leptin Receptors, Serum Leptin and Insulin Sensitivity. <i>PLoS ONE</i> , 2008, 3, e3466.  | 1.1 | 46        |
| 15 | Repeated muscle biopsies through a single skin incision do not elicit muscle signaling, but IL-6 mRNA and STAT3 phosphorylation increase in injured muscle. <i>Journal of Applied Physiology</i> , 2011, 110, 1708-1715.                            | 1.2 | 39        |
| 16 | Is sprint exercise a leptin signaling mimetic in human skeletal muscle?. <i>Journal of Applied Physiology</i> , 2011, 111, 715-725.   | 1.2 | 29        |
| 17 | Skeletal muscle signaling response to sprint exercise in men and women. <i>European Journal of Applied Physiology</i> , 2012, 112, 1917-1927.   | 1.2 | 28        |
| 18 | Estrogens Regulate the Hepatic Effects of Growth Hormone, a Hormonal Interplay with Multiple Fates. <i>Frontiers in Endocrinology</i> , 2013, 4, 66.  | 1.5 | 27        |

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|----|--|-----|-----------|
| 19 | Muscle hypertrophy and increased expression of leptin receptors in the musculus triceps brachii of the dominant arm in professional tennis players. <i>European Journal of Applied Physiology</i> , 2010, 108, 749-758.  | 1.2 | 26        |
| 20 | Characterization of basal nitric oxide production in living cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2001, 1540, 253-264.   | 1.9 | 24        |
| 21 | Signal transducer and activator of transcription (STAT)-5: an opportunity for drug development in oncohematology. <i>Oncogene</i> , 2019, 38, 4657-4668.   | 2.6 | 24        |
| 22 | Leptin signaling in skeletal muscle after bed rest in healthy humans. <i>European Journal of Applied Physiology</i> , 2014, 114, 345-357.  | 1.2 | 22        |
| 23 | Estrogen modulates norepinephrine-induced accumulation of adenosine cyclic monophosphate in a subpopulation of immortalized luteinizing hormone-releasing hormone secreting neurons from the mouse hypothalamus. <i>Neuroscience Letters</i> , 2001, 298, 61-64. | 1.0 | 21        |
| 24 | Simvastatin Impairs Growth Hormone-Activated Signal Transducer and Activator of Transcription (STAT) Signaling Pathway in UMR-106 Osteosarcoma Cells. <i>PLoS ONE</i> , 2014, 9, e87769.   | 1.1 | 21        |
| 25 | Androgen receptor gene polymorphisms lean mass and performance in young men. <i>British Journal of Sports Medicine</i> , 2011, 45, 95-100.   | 3.1 | 16        |
| 26 | Skeletal Muscle Pyruvate Dehydrogenase Phosphorylation and Lactate Accumulation During Sprint Exercise in Normoxia and Severe Acute Hypoxia: Effects of Antioxidants. <i>Frontiers in Physiology</i> , 2018, 9, 188.   | 1.3 | 16        |
| 27 | An ICI 182,780-Sensitive, Membrane-Related Estrogen Receptor Contributes to Estrogenic Neuroprotective Actions against Amyloid-Beta Toxicity. <i>Annals of the New York Academy of Sciences</i> , 2003, 1007, 108-116.   | 1.8 | 14        |
| 28 | Skeletal muscle signaling, metabolism, and performance during sprint exercise in severe acute hypoxia after the ingestion of antioxidants. <i>Journal of Applied Physiology</i> , 2017, 123, 1235-1245.  | 1.2 | 14        |
| 29 | Lipid Profiling and Transcriptomic Analysis Reveals a Functional Interplay between Estradiol and Growth Hormone in Liver. <i>PLoS ONE</i> , 2014, 9, e96305.   | 1.1 | 13        |
| 30 | Influence of age on leptin induced skeletal muscle signalling. <i>Acta Physiologica</i> , 2014, 211, 214-228.  | 1.8 | 13        |
| 31 | Sex steroids and growth hormone interactions. <i>Endocrinologia Y Nutricion: Organo De La Sociedad Espanola De Endocrinologia Y Nutricion</i> , 2016, 63, 171-180.   | 0.8 | 11        |
| 32 | A Novel Naphthoquinone-Coumarin Hybrid That Inhibits BCR-ABL1-STAT5 Oncogenic Pathway and Reduces Survival in Imatinib-Resistant Chronic Myelogenous Leukemia Cells. <i>Frontiers in Pharmacology</i> , 2018, 9, 1546.   | 1.6 | 10        |
| 33 | CM363, a novel naphthoquinone derivative which acts as multikinase modulator and overcomes imatinib resistance in chronic myelogenous leukemia. <i>Oncotarget</i> , 2017, 8, 29679-29698.  | 0.8 | 10        |
| 34 | Training, Leptin Receptors and SOCS3 in Human Muscle. <i>International Journal of Sports Medicine</i> , 2011, 32, 319-326.   | 0.8 | 8         |
| 35 | Physical fitness, adiposity and testosterone concentrations are associated to playing position in professional basketballers. <i>Nutricion Hospitalaria</i> , 2015, 31, 2624-32.   | 0.2 | 8         |
| 36 | The amount of estrogen receptor $\hat{1}\pm$ increases after heat shock in a cholinergic cell line from the basal forebrain. <i>Neuroscience</i> , 2001, 107, 447-454.   | 1.1 | 7         |

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|----|---|-----|-----------|
| 37 | The Influence of Estrogens on the Biological and Therapeutic Actions of Growth Hormone in the Liver. <i>Pharmaceuticals</i> , 2012, 5, 758-778.   | 1.7 | 5         |
| 38 | Isoinertial and Isokinetic Sprints: Muscle Signalling. <i>International Journal of Sports Medicine</i> , 2013, 34, 285-292.   | 0.8 | 5         |
| 39 | Modular Synthesis and Antiproliferative Activity of New Dihydro-1H-pyrazolo[1,3-b]pyridine Embelin Derivatives. <i>Pharmaceuticals</i> , 2021, 14, 1026.  | 1.7 | 5         |
| 40 | Sex steroids and growth hormone interactions. <i>Endocrinología Y Nutrición (English Edition)</i> , 2016, 63, 171-180.  | 0.5 | 4         |
| 41 | Effect of regional muscle location but not adiposity on mitochondrial biogenesis-regulating proteins. <i>European Journal of Applied Physiology</i> , 2016, 116, 11-18.   | 1.2 | 4         |
| 42 | Synthesis, characterization and antiproliferative activity of mixed ligand complexes of Cu <sup>2+</sup> and Co <sup>2+</sup> with lapachol. <i>Polyhedron</i> , 2019, 165, 73-78.  | 1.0 | 4         |
| 43 | JKST6, a novel multikinase modulator of the BCR-ABL1/STAT5 signaling pathway that potentiates direct BCR-ABL1 inhibition and overcomes imatinib resistance in chronic myelogenous leukemia. <i>Biomedicine and Pharmacotherapy</i> , 2021, 144, 112330. | 2.5 | 4         |
| 44 | Growth Hormone Receptor Signaling Pathways and its Negative Regulation by SOCS2. , 2016, , .  |     | 2         |
| 45 | Design, Semisynthesis, and Estrogenic Activity of Lignan Derivatives from Natural Dibenzylobutrolactones. <i>Pharmaceuticals</i> , 2022, 15, 585.   | 1.7 | 2         |
| 46 | Is Oxidative Stress Involved In Fatigue During High Intensity Sprint Exercise In Severe Acute Hypoxia?. <i>Medicine and Science in Sports and Exercise</i> , 2010, 42, 468.   | 0.2 | 1         |
| 47 | Control of Liver Gene Expression by Sex Steroids and Growth Hormone Interplay. , 2020, , .  |     | 1         |
| 48 | Influence of Hypoxia and Oxidative Stress on Plasma Leptin Responses to Sprint Exercise in Humans. <i>Medicine and Science in Sports and Exercise</i> , 2010, 42, 631.  | 0.2 | 0         |
| 49 | AMPK Phosphorylation, Sirt1 And PGC-1α Protein Expression After Sprint Exercise In Fed And Fasted Conditions. <i>Medicine and Science in Sports and Exercise</i> , 2010, 42, 147.   | 0.2 | 0         |
| 50 | GLUT4 and Glycogen Synthase Are Key Players in Bed Rest-Induced Insulin Resistance. <i>Diabetes</i> 2012;61:1090-1099. <i>Diabetes</i> , 2014, 63, 3159-3159.   | 0.3 | 0         |
| 51 | JAK, an Oncokinase in Hematological Cancer. , 2019, , .   |     | 0         |
| 52 | Leptin receptors in human skeletal muscle. <i>FASEB Journal</i> , 2007, 21, A942.   | 0.2 | 0         |
| 53 | Determination of fat tissue infiltration in human skeletal muscle biopsies. <i>FASEB Journal</i> , 2007, 21, A1357.   | 0.2 | 0         |
| 54 | Effects of combined strength and endurance training on the expression of leptin receptors in human skeletal muscle. <i>FASEB Journal</i> , 2008, 22, 962.7.   | 0.2 | 0         |

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|----|--|-----|-----------|
| 55 | Gender dymorphism in muscle leptin receptors. FASEB Journal, 2008, 22, 962.3.  | 0.2 | 0         |
| 56 | Ampk± Phosphorylation In The M. Vastus Lateralis Following Sprint Exercise In Humans. Medicine and Science in Sports and Exercise, 2008, 40, S194.           | 0.2 | 0         |
| 57 | Androgen Receptor Gene cag and ggn Length Polymorphisms Are Associated With Lean Mass in Women. Medicine and Science in Sports and Exercise, 2008, 40, S183. | 0.2 | 0         |
| 58 | Plasma Free Testosterone, Regional Fat Mass And Plasma Leptin Concentration In Men. Medicine and Science in Sports and Exercise, 2009, 41, 337-338.          | 0.2 | 0         |