

Ficha de grupo de investigación

IMPACTO FISIOLÓGICO DEL ESTRÉS OXIDATIVO, DEPORTE, ACTIVIDAD FÍSICA Y SALUD

Código: CTS454

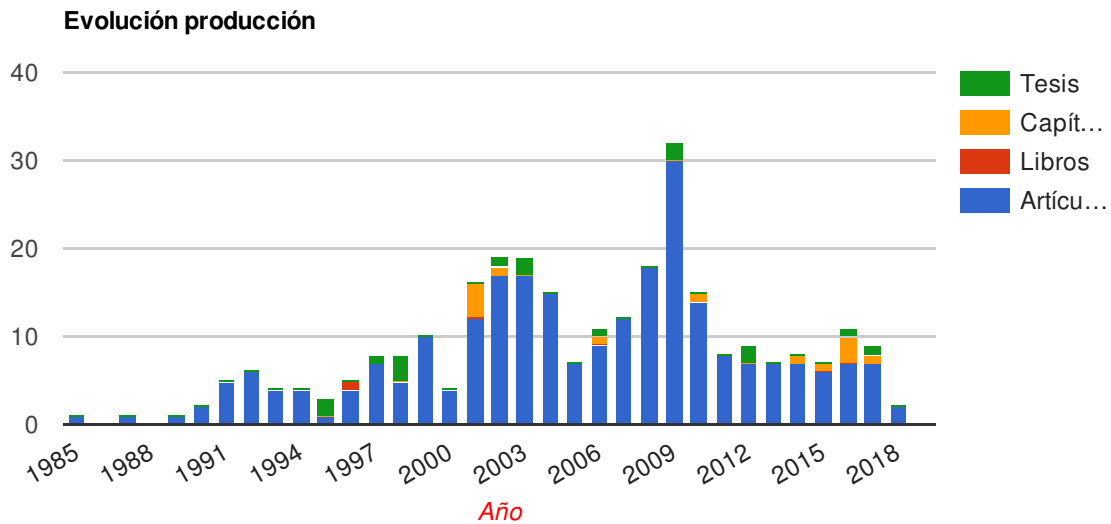
Responsable del grupo: JESUS FRANCISCO RODRIGUEZ HUERTAS

Miembros

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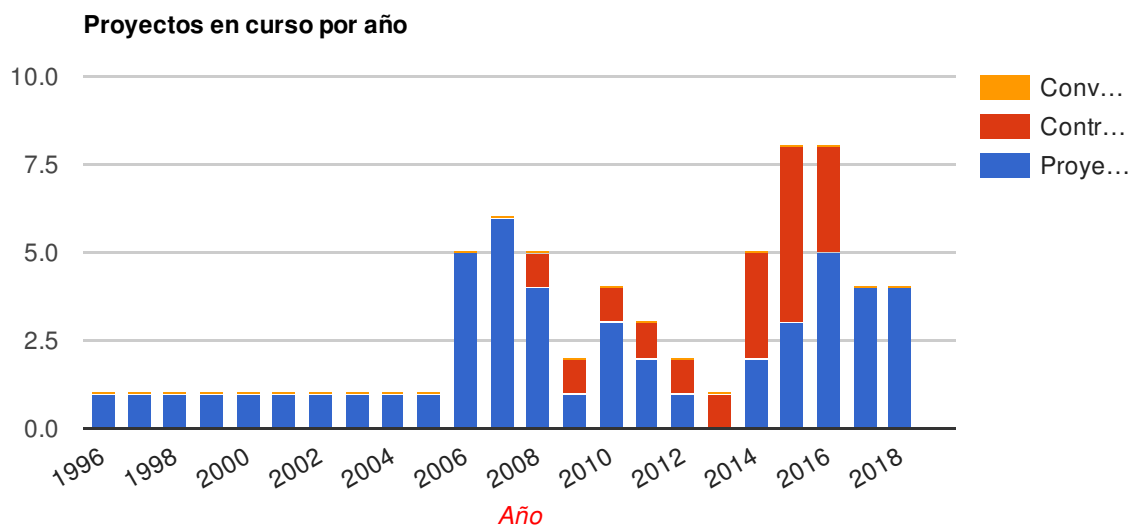
Producción 344

- Artículos (311)
- Libros (1)
- Capítulos de Libros (16)
- Tesis dirigidas (16)



Proyectos dirigidos 27

- Proyectos (21)
- Contratos (6)
- Convenios (0)



Actividades 10

Titulo publicación	Fuente	Tipo	Fecha
Comparison of the inflammatory and stress response between sprint interval swimming and running	Scandinavian journal of medicine & science in sports	Articulo	2018
Cuestionario de ansiedad estado rasgo (stai): análisis psicométrico y funcionamiento en una muestra de drogodependientes y controles	Universitas psychologica	Articulo	2018
A novel electromyographic approach to estimate fatigue threshold in maximum incremental strength tests	Motor control	Articulo	2017
A lifelong competitive training practice attenuates age-related lipid peroxidation	Journal of physiology and biochemistry	Articulo	2017
Control of antioxidant supplementation through interview is not appropriate in oxidative stress sport studies: analytical confirmation should be required	Nutrition	Articulo	2017
Efectos del consumo de drogas y de la ansiedad en la eyaculación precoz en una muestra de drogodependientes españoles	Revista internacional de andrología	Articulo	2017
Effect of augmented reality game pokémon go on cognitive performance and emotional intelligence in adolescent young	Computers and education	Articulo	2017
El desplazamiento activo al colegio: una oportunidad para mejorar la salud en jóvenes	Condición física, actividad física y ejercicio físico en niños y adolescentes: un enfoque actual	Capítulo de libro	2017
High-intensity high-volume swimming induces more robust signaling through pgc-1 α and ampk activation than sprint interval swimming in m. triceps brachii	Plos one	Articulo	2017
Lifelong amateur endurance practice attenuates oxidative stress and prevents muscle wasting in senior adults	The journal of sports medicine and physical fitness	Articulo	2017
Validation of alpha-actin as a marker of muscle damage in different sports	Instituto de nutrición y tecnología de los alimentos	Tesis doctoral	2017
A lifelong competitive training practice attenuates age-related lipid peroxidation		Articulo	2016
A lifelong competitive training practice attenuates age-related lipid peroxidation	Journal of physiology and biochemistry	Articulo	2016
Actividad física al comienzo de la jornada escolar y rendimiento en niños tdah. una estrategia educativa para la inclusión de este alumnado	Libro de actas del iv congreso internacional de deporte inclusivo	Capítulo de libro	2016
Cardiovascular risk in elite spanish judo athletes	Archives of budo	Articulo	2016
Does swimming at a moderate altitude favor a lower oxidative stress in an intensity-dependent manner? role of nonenzymatic antioxidants	High altitude medicine & biology	Articulo	2016
Effect of regional muscle location but not adiposity on mitochondrial biogenesis-regulating proteins.		Articulo	2016
Estrés oxidativo en nadadores tras un entrenamiento de alta intensidad	Swimming science ii	Capítulo de libro	2016
Inflamación, estrés oxidativo y rendimiento de judokas españoles de élite		Tesis doctoral	2016
Lifelong amateur endurance practice attenuates oxidative stress and prevents muscle wasting in senior adults	The journal of sports medicine and physical fitness	Articulo	2016
Perspectivas futuras de la educación en nutrición	La educación en alimentación y nutrición	Capítulo de libro	2016
Sexual pain disorders in spanish women drug users	Substance use and misuse	Articulo	2016
Androgen receptor cag and ggn repeat polymorphisms and bone		Articulo	2015

mass in boys and girls.			
Androgen receptor gene polymorphism influence fat accumulation: a longitudinal study from adolescence to adult age.		Articulo	2015
Effects of a six-week pilates intervention on the balance and fear of falling of women over 65 years old with chronic lowback pain: a randomized controlled trial	Maturitas	Articulo	2015
Limitations to oxygen transport and utilisation during sprint exercise in humans: evidence for a functional reserve in muscle o2 diffusing capacity.		Articulo	2015
Privación, comilonas y obesidad	México obeso, actualidades y perspectivas	Capítulo de libro	2015
Quercetin supplementation does not enhance cerebellar mitochondrial biogenesis and oxidative status in exercised rats	Nutrition research	Articulo	2015
Special judo fitness test level and anthropometric profile of elite spanish judo athletes	Journal of strength and conditioning research	Articulo	2015
A reliable unipedal stance test for the assessment of balance using a force platform.	The journal of sports medicine and physical fitness	Articulo	2014
A time-efficient reduction of fat mass in 4 days with exercise and caloric restriction.	Scandinavian journal of medicine & science in sports	Articulo	2014
Embriología, anatomía y fisiología del oído	Manual de otorrinolaringología pediátrica	Capítulo de libro	2014
Effects of in-water passive recovery on sprint swimming performance and heart rate in adolescent swimmers	Journal of sports science and medicine	Articulo	2014
Leptin signaling in skeletal muscle after bed rest in healthy humans	European journal of applied physiology	Articulo	2014
Oral quercetin supplementation hampers skeletal muscle adaptations in response to exercise training	Scandinavian journal of medicine & science in sports	Articulo	2014
Quercetin effects on weight gain and caloric intake in exercised rats	Biology of sport	Articulo	2014
The combination of oral quercetin supplementation and exercise prevents brain mitochondrial biogenesis	Genes & nutrition	Articulo	2014
Critical role for free radicals on sprint exercise-induced camkii and ampkalpha phosphorylation in human skeletal muscle	Journal of applied physiology	Articulo	2013
Ergogenic effects of quercetin supplementation in trained rats	Journal of the international society of sports nutrition	Articulo	2013
Isoinertial and isokinetic sprints: muscle signaling	International journal of sports medicine	Articulo	2013
La exposición aguda a altitud previene el estrés oxidativo por una movilización del γ -tocoferol plasmático.	Archivos de medicina del deporte	Articulo	2013
Naphthoquinone derivatives exert their antitrypanosomal activity via a multi-target mechanism	Plos neglected tropical diseases	Articulo	2013
Plasmatic nitric oxide correlates with weight and red cell distribution width in exercised rats supplemented with quercetin	International journal of food sciences and nutrition	Articulo	2013
Relevance of mitochondrial genetics and metabolism in cancer development.	Cold spring harbor perspectives in biologys	Articulo	2013
A water soluble coq10 formulation improves intracellular distribution and promotes mitochondrial respiration in cultured cells	Plos one	Articulo	2012
Androgen receptor gene polymorphisms and the fat-bone axis in young men and women	Journal of andrology	Articulo	2012

Increased oxidative stress and anaerobic energy release, but blunted thr172-ampkalpha phosphorylation, in response to sprint exercise in severe acute hypoxia in humans	Journal of applied physiology	Articulo	2012
Marcadores de estrés oxidativo como herramienta para optimizar la intensidad del entrenamiento de nadadores en hipoxia frente a normoxia	Universidad de granada. facultad de ciencias de la actividad física y del deporte	Tesis doctoral	2012
Marcadores sanguíneos de envejecimiento y de estrés oxidativo por práctica deportiva. diferencias entre deportistas recreacionales y de élite	Universidad de granada. facultad de ciencias de la actividad física y del deporte	Tesis doctoral	2012
Mitochondria and reactive oxygen species. which role in physiology and pathology	Advances in experimental medicine and biology	Articulo	2012
Skeletal muscle signaling response to sprint exercise in men and women	European journal of applied physiology	Articulo	2012
Supramolecular organisation of the mitochondrial respiratory chain: a new challenge for the mechanism and control of oxidative phosphorylation	Advances in experimental medicine and biology	Articulo	2012
The effects of idebenone on mitochondrial bioenergetics.	Biochimica et biophysica acta	Articulo	2012
Anthropometrical profile of elite spanish judoka: comparative analysis among ages	Archives of budo	Articulo	2011
An open-label, dose-escalating phase i study of elsamitruicin (spi 28090) in dogs	Journal of veterinary internal medicine	Articulo	2011
Hyperoxia fully protects mitochondria of explanted livers	Journal of bioenergetics and biomembranes	Articulo	2011
Influencia de los pensamientos disfuncionales en la sobrecarga de los cuidadores de personas dependientes	Enfermería clínica	Articulo	2011
New developments on the functions of coenzyme q in mitochondria	Biofactors	Articulo	2011
Normal mitochondrial function and increased fat oxidation capacity in leg and arm muscles in obese humans		Articulo	2011
Prescripción de actividad física en pacientes con fibromialgia	Semergen medicina de familia	Articulo	2011
Repeated muscle biopsies through a single skin incision do not elicit muscle signaling, but il-6 mrna and stat3 phosphorylation increase in injured muscle		Articulo	2011
Bone mass and the cag and ggn androgen receptor polymorphisms in young men	Plos one	Articulo	2010
Coenzyme q10 vitreous levels after administration of coenzyme q10 eye-drops in patients undergoing vitrectomy	Acta ophtalmology	Articulo	2010
Hypoxia and mitochondrial oxidative metabolism	Biochimica et biophysica acta. biomembranes	Articulo	2010
Involvement of stat3 in mouse brain development and sexual dimorphism: a proteomics approach	Brain research	Articulo	2010
Kinematic analysis of throwing between right and left top member in water-polo	Revista internacional de medicina y ciencias de la actividad física y del deporte	Articulo	2010
Leptin receptor 170 kda (ob-r170) protein expression is reduced in obese human skeletal muscle: a potential mechanism of leptin resistance.	Experimental physiology	Articulo	2010
Muscle hypertrophy and increased expression of leptin receptors in the musculus triceps brachii of the dominant arm in professional tennis players.	European journal of applied physiology	Articulo	2010
Mitochondrial complex i decrease is responsible for bioenergetic dysfunction in k-ras transformed cells	Biochimica et biophysica acta. bioenergetics	Articulo	2010
Mitochondrial respiratory chain super-complex i-iii in physiology and pathology	Biochimica et biophysica acta. biomembranes	Articulo	2010

and pathology	Biomechanics		
Nutrición en la actividad física y deportiva	Tratado de nutrición 2ª ed. iv tomo. nutrición clínica	Capítulo de libro	2010
Oxidative stress in the denervated muscle.	Free radical research	Artículo	2010
Polyamine conjugation of curcumin analogues toward the discovery of mitochondria-directed neuroprotective agents.	Journal of medicinal chemistry	Artículo	2010
Sirt1, amp-activated protein kinase phosphorylation and downstream kinases in response to a single bout of sprint exercise: influence of glucose ingestion	European journal of applied physiology	Artículo	2010
Structure and organization of mitochondrial respiratory complexes: a new understanding of an old subject.	Antioxidants and redox signaling.	Artículo	2010
The primary role of glutathione against nuclear dna damage of striatum induced by permethrin in rats	Society for neuroscience	Artículo	2010
Air to muscle o2 delivery during exercise at altitude	High altitude medicine & biology	Artículo	2009
Androgen receptor gene polymorphisms lean mass and performance in young men	British journal of sports medicine	Artículo	2009
Androgen receptor gene polymorphisms, lean mass and performance in young men	British journal of sports medicine	Artículo	2009
Comments of point:counterpoint: maximal oxygen uptake is/is not limited by a central nervous system governor	J. appl. physiol.	Artículo	2009
Comments of point:counterpoint: maximal oxygen uptake is/is not limited by a central nervous system governor	J. appl. physiol.	Artículo	2009
Cytokine and hormone responses to resistance training		Artículo	2009
Coenzyme q10 vitreous levels after administration of coenzyme q10 eyedrops in patients undergoing vitrectomy	Acta ophthalmologica scandinavica	Artículo	2009
Control of respiration by cytochrome c oxidase in intact cells: role of the membrane potencial	Journal of biological chemistry	Artículo	2009
Control of respiration by cytochrome c oxidase in intact cells: role of the membrane potencial	Journal of biology & chemistry	Artículo	2009
Differential effects of mitochondrial complex i inhibitors on production of reactive oxygen species	Biochimica et biophysica acta	Artículo	2009
Exercise and bone mass in adults.	Clinical journal of sport medicine	Artículo	2009
Human narp mitochondrial mutation metabolism corrected with alpha-ketoglutarate/aspartate: a potential new therapy	Archives of neurology	Artículo	2009
Human narp mitochondrial mutation metabolism corrected with alpha-ketoglutarate/aspartate: a potential new therapy.	Archives of neurology	Artículo	2009
Influencia del polimorfismo del receptor de andrógenos en la masa muscular y la masa ósea y en la respuesta hipertrófica al entrenamiento de fuerza en hombres y mujeres	Universidad de las palmas de gran canaria. educación física y deportiva	Tesis doctoral	2009
Involvement of mitochondrial permeability transition pore opening in alpha-bisabolol induced apoptosis	The febs journal	Artículo	2009
Leptin receptor 170 kda (ob-r170) protein expression is reduced in obese human skeletal muscle: a potential mechanism of leptin resistance.	Experimental physiology	Artículo	2009
Modulacion por las distintas fuentes grasas de la dieta (aceites de oliva, girasol y pescado) de la apoptosis inducida por la adriamicina: papel de la mitocondria	Universidad de granada. fisiología	Tesis doctoral	2009
Muscular and pulmonary o2 uptake kinetics during moderate- and high-intensity sub-maximal knee-extensor exercise in humans	The journal of physiology	Artículo	2009
Mitochondrial complex i decrease is responsible for bioenergetic dysfunction in liver transformed cells	Biochimica et biophysica acta. Biomembranes	Artículo	2009

dysfunction in k-ras transformed cells	biomembranes		
Mobility and function of coenzyme q (ubiquinone) in the mitochondrial respiratory chain	Biochimica et biophysica acta	Articulo	2009
Neuromuscular fatigue after resistance training	International journal of sports medicine	Articulo	2009
On the mechanisms that limit oxygen uptake during exercise in acute and chronic hypoxia: role of muscle mass	The journal of physiology	Articulo	2009
Response of multiple recurrent tat1 bladder cancer to intravesical apaziquone (eo9): comparative analysis of tumor recurrence rates	Urology	Articulo	2009
Strength training combined with plyometric jumps in adults: sex differences in fat-bone axis adaptations	J. appl. physiol.	Articulo	2009
Structural and functional organization of the mitochondrial respiratory chain: a dynamic super-assembly	The international journal of biochemistry & cell biology	Articulo	2009
Structural and functional organization of the mitochondrial respiratory chain: a dynamic super-assembly	International biochemistry and cell biology	Articulo	2009
Structure and organization of mitochondrial respiratory complexes: a new understanding of an old subject	Antioxidants & redox signaling	Articulo	2009
The exercising heart at altitude	Cellular and molecular life sciences	Articulo	2009
The lactate paradox revisited in lowlanders during acclimatization to 4100 m and in high-altitude natives	The journal of physiology	Articulo	2009
The response of human skeletal muscle tissue to hypoxia	Cellular and molecular life sciences	Articulo	2009
The upper extremity of the professional tennis player: muscle volumes, fiber-type distribution and muscle strength	Scandinavian journal of medicine & science in sports	Articulo	2009
Toward a rational design of multitarget-directed antioxidants: merging memoquin and lipoic acid molecular frameworks.	Journal of medicinal chemistry	Articulo	2009
Artistic versus rhythmic gymnastics: effects on bone and muscle mass in young girls.	International journal of sports medicine	Articulo	2008
Convective oxygen transport and fatigue.	J. appl. physiol.	Articulo	2008
Does recombinant human epo increase exercise capacity by means other than augmenting oxygen transport?	J. appl. physiol.	Articulo	2008
During hypoxic exercise some vasoconstriction is needed to match o2 delivery with o2 demand at the microcirculatory level	The journal of physiology	Articulo	2008
Effects of weight lifting training combined with plyometric exercises on physical fitness, body composition, and knee extension velocity during kicking in football.		Articulo	2008
Gender dimorphism in skeletal muscle leptin receptors, serum leptin and insulin sensitivity.	Plos one	Articulo	2008
Gender dimorphism in skeletal muscle leptin receptors, serum leptin and sex insulin sensitivity	Plos one	Articulo	2008
Generation of reactive oxygen species by mitochondrial complex i: implications in neurodegeneration	Neurochemical research	Articulo	2008
Intracellular signaling pathways activated by leptin and its modulation by exercise (i and ii).	Archivos de medicina del deporte	Articulo	2008
Is pulmonary gas exchange during exercise in hypoxia impaired with the increase of cardiac output?		Articulo	2008
Is supercomplex organization of the respiratory chain required for optimal electron?	Biochimica et biophysica acta. bioenergetics	Articulo	2008
Look before you leap: on the issue of muscle mass assessment by dual-energy x-ray absorptiometry (reply to jordan robert moon		Articulo	2008

comments).			
Mitochondrial production of reactive oxygen species: role of complex i and quinone analogues	Biofactors	Articulo	2008
Modification of respiratory-chain enzyme activities in brown adipose tissue mitochondria by idebenone (hydroxydecyl-ubiquinone)	Journal of bioenergetics and biomembranes	Articulo	2008
Role of muscle mass on sprint performance: gender differences?	J. appl. physcol.	Articulo	2008
The ergogenic effect of recombinant human erythropoietin on vo2max depends on the severity of arterial hypoxemia.	Plos one	Articulo	2008
The study of the pathogenic mechanism of mitochondrial diseases provides information on basic bioenergetics	Biochimica et biophysica acta	Articulo	2008
The study of the pathogenic mechanism of mitochondrial diseases provides information on basic bioenergetics	Biochimica et biophysica acta. biomembranes	Articulo	2008
Artistic versus rhythmic gymnastics: effects on bone and muscle mass in young girls.	International journal of sports medicine	Articulo	2007
Cardiac output and leg and arm blood flow during incremental exercise to exhaustion on the cycle ergometer	J. appl. physcol.	Articulo	2007
Convective oxygen transport and fatigue	J. appl. physcol.	Articulo	2007
Effect of lifelong coenzyme q10 supplementation on age-related oxidative stress and mitochondrial function in liver and skeletal muscle of rats fed on a polyunsaturated fatty acid (pufa)-rich diet	The journals of gerontology. series a: biological sciences & medical sciences	Articulo	2007
Erythropoietin treatment elevates haemoglobin concentration by increasing red cell volume and depressing plasma volume	The journal of physiology	Articulo	2007
Exercise economy does not change after acclimatization to moderate to very high altitude	Scandinavian journal of medicine & science in sports	Articulo	2007
Insufficient ventilation as a cause of impaired pulmonary gas exchange during submaximal exercise	Respiratory physiology and neurobiology	Articulo	2007
Leptin receptors in human skeletal muscle	J. appl. physcol.	Articulo	2007
Prolonged administration of recombinant human erythropoietin increases submaximal performance more than maximal aerobic capacity		Articulo	2007
Response to the letter to the editor from d boening.	The journal of physiology	Articulo	2007
Role of satellite cells on muscle hypertrophy and muscle in response to exercise.	Archivos de medicina del deporte	Articulo	2007
Strong iron demand during hypoxia-induced erythropoiesis is associated with down-regulation of iron-related proteins and myoglobin in human skeletal muscle		Articulo	2007
Age-related mitochondrial dna deletion in rat liver depends on dietary fat unsaturation	The journals of gerontology. series a: biological sciences & medical sciences	Articulo	2006
Comment on point:counterpoint "positive effects of intermittent hypoxia (live high:train low) on exercise performance are/are not mediated primarily by augmented red cell volume".	J. appl. physcol.	Articulo	2006
Effects of atp-induced leg vasodilation on vo2 peak and leg o2 extraction during maximal exercise in humans	American journal physiology-cellular physiopogy	Articulo	2006
Evaluación del estrés oxidativo en fibrosis pulmonar inducida por talco: papel de la suplementación con Α-tocoferol	Universidad de granada. medicina	Tesis doctoral	2006
Importance of hemoglobin concentration to exercise: acute manipulations	Respiratory physiology and neurobiology	Articulo	2006

Influence of extracurricular sport activities on body composition and physical fitness in boys: a 3-year longitudinal study.	International journal of obesity	Articulo	2006
Maximal exercise and muscle oxygen extraction in acclimatizing lowlanders and high altitude natives	The journal of physiology	Articulo	2006
Olive oil and mitochondrial oxidative stress: studies on adriamycin toxicity, physical exercise and ageing	Olive oil and health	Capítulo de libro	2006
Point: in health and in a normoxic environment, vo2 max is limited primarily by cardiac output and locomotor muscle blood flow	J. appl. physiol.	Articulo	2006
Serum free testosterone, leptin and soluble leptin receptor changes in a 6-week strength-training programme	British journal of nutrition	Articulo	2006
The rate of fatigue accumulation as a sensed variable	The journal of physiology	Articulo	2006
Coenzyme q(10) protects from aging-related oxidative stress and improves mitochondrial function in heart of rats fed a polyunsaturated fatty acid (pufa)-rich diet	The journals of gerontology. series a: biological sciences & medical sciences	Articulo	2005
Effects of eccentric exercise on cycling efficiency	Canadian journal of applied physiology	Articulo	2005
Estrogen activates classical and alternative mechanisms to orchestrate neuroprotection.	Current neurovascular research	Articulo	2005
Life-long supplementation with a low dosage of coenzyme q10 in the rat: effects on antioxidant status and dna damage	Biofactors	Articulo	2005
Muscular development and physical activity as major determinants of femoral bone mass acquisition during growth	British journal of sports medicine	Articulo	2005
Skeletal muscle mitochondrial dna content in exercising humans.	J. appl. physiol.	Articulo	2005
Why do arms extract less oxygen than legs during exercise?	American journal of physiology-regulatory, integrative and comparative physiology	Articulo	2005
Acclimatization to 4100 m does not change capillary density or mna expression of potential angiogenesis regulatory factors in human skeletal muscle.	Journal of experimental biology	Articulo	2004
Aspectos mitocondriales del envejecimiento. papel del tipo de grasa de la dieta y del estrés oxidativo	Endocrinología y nutrición	Articulo	2004
Central regulation of skeletal muscle recruitment explains the reduced maximal cardiac output during exercise in hypoxia.	American journal of physiology-regulatory, integrative and comparative physiology	Articulo	2004
Coenzyme q supplementation protects from age-related dna double-strand breaks and increases lifespan in rats fed on a pufa-rich diet	Experimental gerontology	Articulo	2004
Dietary fat type (virgin olive vs. sunflower oils) affects age-related changes in dna double-strand-breaks, antioxidant capacity and blood lipids in rats	Experimental gerontology	Articulo	2004
Effects of recovery mode on performance, o2 uptake, and o2 deficit during high-intensity intermittent exercise.	Canadian journal of applied physiology	Articulo	2004
Enhanced bone mass and physical fitness in young female handball players.	Bone	Articulo	2004
Gastric emptying, gastric secretion and enterogastrone response after administration of milk proteins or their peptide hydrolysates in humans.	European journal of nutrition	Articulo	2004
High femoral bone mineral density accretion in prepubertal soccer players.	Medicine and science in sports and exercise	Articulo	2004
Inter-arm asymmetry in bone mineral content and bone area in postmenopausal recreational tennis players.	Maturitas	Articulo	2004
Maximal muscular vascular conductances during whole body			

maximal muscular vascular conductances during whole body upright exercise in humans.	The journal of physiology	Articulo	2004
Plasma membrane oestrogen receptor mediates neuroprotection against -amyloid toxicity through activation of raf-1/mek/erk cascade in septal-derived cholinergic sn56 cells.	Journal of neurochemistry	Articulo	2004
Plasma volume expansion does not increase maximal cardiac output or vo2 max in lowlanders acclimatized to altitude.	American journal of physiology. heart and circulatory physiology	Articulo	2004
Pulmonary gas exchange at maximal exercise in danish lowlanders during 8 wk of acclimatization to 4,100 m and in high-altitude aymara natives.	American journal of physiology-regulatory, integrative and comparative physiology	Articulo	2004
Regular participation in sports is associated with enhanced physical fitness and lower fat mass in prepubertal boys.	The journal of physiology	Articulo	2004
Aging-related oxidative stress depends on dietary lipid source in rat postmitotic tissues	Journal of bioenergetics and biomembranes	Articulo	2003
An estrogen membrane receptor participates in estradiol actions for the prevention of amyloid beta-peptide1-40-induced toxicity in septal-derived cholinergic sn56 cells.	Journal of neurochemistry	Articulo	2003
An ici 182,780-sensitive, membrane-related estrogen receptor contributes to estrogenic neuroprotective actions against amyloid-beta toxicity.	Annals of the new york academy of sciences	Articulo	2003
Anaerobic energy provision does not limit wingate exercise performance in endurance-trained cyclists.	J. appl. physiol.	Articulo	2003
Chronic hypoxia increases blood pressure and noradrenaline spillover in healthy humans.	The journal of physiology	Articulo	2003
Coenzyme q differentially modulates phospholipid hydroperoxide glutathione peroxidase gene expression and free radicals production in malignant and non-malignant prostate cells	Biofactors	Articulo	2003
Determinants of maximal oxygen uptake in severe acute hypoxia.	American journal of physiology-regulatory, integrative and comparative physiology	Articulo	2003
Dietary fat (virgin olive oil or sunflower oil) and physical training interactions on blood lipids in the rat	Nutrition	Articulo	2003
Efecto de distintas fuentes grasas sobre el envejeciminto mitocondrial en músculo esquelético y cardíaco	Universidad de granada. fisiología	Tesis doctoral	2003
Efecto del tipo de grasa de la dieta (aceite de oliva y girasol) y la adición de coenzima q10 sobre diversos aspectos del envejecimiento mitocondrial (deleciones del adn mitocondrial) en hígado.	Universidad de granada. fisiología	Tesis doctoral	2003
Enhanced bone mass and physical fitness in prepubescent footballers.	Bone	Articulo	2003
Estradiol prevents amyloid-beta peptide-induced cell death in a cholinergic cell line via modulation of a classical estrogen receptor.	Neuroscience	Articulo	2003
Human skeletal muscle and erythrocyte proteins involved in acid-base homeostasis: adaptations to chronic hypoxia.	The journal of physiology	Articulo	2003
Leg and arm lactate and substrate kinetics during exercise.	American journal of physiology: endocrinology and metabolism	Articulo	2003
Oxidative dna damage and repair in skeletal muscle of humans exposed to high-altitude hypoxia.	Toxicology	Articulo	2003
Oxidative stress in erythrocytes from premature and full-term infants during their first 72h of life	Free radical research	Articulo	2003
Oxidative stress is evident in erythrocytes as well as plasma in patients undergoing heart surgery involving cardiopulmonary bypass	Free radical research	Articulo	2003

Reductions in systemic and skeletal muscle blood flow and oxygen delivery limit maximal aerobic capacity in humans.	Aids	Articulo	2003
Why is vo2 max after altitude acclimatization still reduced despite normalization of arterial o2 content?	American journal of physiology-regulatory, integrative and comparative physiology	Articulo	2003
Alimentos ricos en lípidos	Nutricion humana	Capítulo de libro	2002
Ageing-related tissue-specific alterations in mitochondrial composition and function are modulated by dietary fat type in the rat	Journal of bioenergetics and biomembranes	Articulo	2002
Bone mass, bone mineral density and muscle mass in professional golfers.	Journal of sports sciences	Articulo	2002
Determinants of vo(2) kinetics at high power outputs during a ramp exercise protocol.	Medicine and science in sports and exercise	Articulo	2002
Dietary oils high in oleic acid but with different unsaponifiable fraction contents have different effects in fatty acid composition and peroxidation in rabbit ldl.	Nutrition	Articulo	2002
Efectos del phlebotomus decumanus sobre el daño oxidativo y la disfunción inmune provocados por el ejercicio físico extenuante	Universidad de granada. educación física y deportiva	Tesis doctoral	2002
Effect of blood haemoglobin concentration on v(o2,max) and cardiovascular function in lowlanders acclimatized to 5260 m.	The journal of physiology	Articulo	2002
Effects of training status on fibers of the musculus vastus lateralis in professional road cyclists.	American journal of physical medicine and rehabilitation	Articulo	2002
Effects of transcutaneous short-term electrical stimulation on m. vastus lateralis characteristics of healthy young men.	Pflugers archiv: european journal of physiology	Articulo	2002
Feeding fried oil changes antioxidant and fatty acid pattern of rat and affects rat liver mitochondrial respiratory chain components	Journal of bioenergetics and biomembranes	Articulo	2002
Olio di oliva e protezione antiossidante cellulare	Progress in nutrition	Articulo	2002
Plasma glucagon and insulin responses depend on the rate of appearance of amino acids after ingestion of different protein solutions in humans.	The journal of nutrition	Articulo	2002
Pulmonary gas exchange and acid-base state at 5,260 m in high-altitude bolivians and acclimatized lowlanders.	J. appl. physiol.	Articulo	2002
Role of vitamin e and phenolic compounds in the antioxidant capacity, measured by esr, of virgin olive, olive and sunflower oils after frying	Food chemistry	Articulo	2002
Role of vitamin e and phenolic compounds in the antioxidant capacity, measured by esr, of virgin olive, olive and sunflower oils after frying	Food chemistry	Articulo	2002
Similar carbohydrate but enhanced lactate utilization during exercise after 9 wk of acclimatization to 5,620 m.	American journal of physiology: endocrinology and metabolism	Articulo	2002
Skeletal muscle mitochondrial function and exercise capacity in hiv-infected patients with lipodystrophy and elevated p-lactate levels.	Aids	Articulo	2002
Structural damage induced by peroxidation may account for functional impairment of heavy synaptic mitochondria	Free radical research	Articulo	2002
The intake of fried virgin olive or sunflower oils differentially induces oxidative stress in rat liver microsomes	British journal of nutrition	Articulo	2002
Aceite de oliva y cancer	Aceite de oliva virgen : nuestro patrimonio alimentario	Capítulo de libro	2001
Aceites y grasa	Guías alimentarias para la población española : recomendaciones para una	Capítulo de libro	2001

	dieta saludable		
Aporte de grasa	Guías alimentarias para la población española : recomendaciones para una dieta saludable	Capítulo de libro	2001
Characterization of basal nitric oxide production in living cells.	Biochimica et biophysica acta	Articulo	2001
Dietary fat type and regular exercise affect mitochondrial composition and function depending on specific tissue in the rat	Journal of bioenergetics and biomembranes	Articulo	2001
Dietary oils high in oleic acid, but with different non- glyceride contents, have different effects on lipid profiles and peroxidation in rabbit hepatic mitochondria	The journal of nutritional biochemistry	Articulo	2001
Effect of endurance running on cardiac and skeletal muscle in rats.	Histology and histopathology	Articulo	2001
Effect of high-intensity running in rectus femoris muscle fiber in rats.		Articulo	2001
Estrogen modulates norepinephrine-induced accumulation of camp in a subpopulation of gt1-7 cells	Neuroscience	Articulo	2001
Estrés oxidativo y aceite de oliva	Aceite de oliva virgen : nuestro patrimonio alimentario	Capítulo de libro	2001
High femoral bone mineral content and density in male football (soccer) players.	Medicine and science in sports and exercise	Articulo	2001
Parasympathetic neural activity accounts for the lowering of exercise heart rate at high altitude.	Aids	Articulo	2001
Role of adenosine in exercise-induced human skeletal muscle vasodilatation.	Acta physiologica scandinavica	Articulo	2001
Running economy and delayed onset muscle soreness.	The journal of sports medicine and physical fitness	Articulo	2001
The amount of estrogen receptor alpha increases after heat shock in a cholinergic cell line from the basal forebrain.	Neuroscience	Articulo	2001
The re-establishment of the normal blood lactate response to exercise in humans after prolonged acclimatization to altitude.	The journal of physiology	Articulo	2001
Cerebral cortex synaptic heavy mitochondria may represent the oldest synaptic mitochondrial population: biochemical heterogeneity and effects of l-acetylcarnitine	Journal of bioenergetics and biomembranes	Articulo	2000
Muscle glycogen resynthesis during recovery from cycle exercise: no effect of additional protein ingestion.	J. appl. physiol.	Articulo	2000
Oxygen tension and content in the regulation of limb blood flow.	Acta physiologica scandinavica	Articulo	2000
Reliability of jumping performance in active men and women under different stretch loading conditions.	The journal of sports medicine and physical fitness	Articulo	2000
Arterial o2 content and tension in regulation of cardiac output and leg blood flow during exercise in humans.	The american journal of physiology	Articulo	1999
Cycling efficiency and pedalling frequency in road cyclists.	European journal of applied physiology and occupational physiology	Articulo	1999
High bone mineral density in male elite professional volleyball players.	Osteoporosis international	Articulo	1999
Metabolic and thermodynamic responses to dehydration-induced reductions in muscle blood flow in exercising humans.	The journal of physiology	Articulo	1999
Olive oil supplemented with vitamin e affects mitochondrial coenzyme q levels in liver of rats after an oxidative stress induced by adriamycin	Biofactors	Articulo	1999
Oxidative stress induced by exercise and dietary fat modulates the coenzyme q and vitamin a balance between plasma and	International journal for vitamin and nutrition research	Articulo	1999

mitochondria	and nutrition research		
Physical exercise affects the lipid profile of mitochondrial membranes in rats fed with virgin olive oil or sunflower oil	British journal of nutrition	Articulo	1999
Relative importance of the saponified and unsaponified fractions of dietary olive oil on the mitochondrial lipid peroxidation in rabbit heart	Nutrition, metabolism, and cardiovascular diseases	Articulo	1999
Virgin olive oil and coenzyme q(10) protect heart mitochondria from peroxidative damage during aging	Biofactors	Articulo	1999
Vitamin e supplementation increases the stability and the in vivo antioxidant capacity of refined olive oil	Free radical research	Articulo	1999
Bone mineral content and density in professional tennis players.	Calcified tissue international	Articulo	1998
Capacidad antioxidativa (fraccion insaponificable frente a saponificable) de distintas fuentes grasas con alto contenido en acido oleico	Universidad de granada. fisiología	Tesis doctoral	1998
Grasa de la dieta y envejecimiento de mitocondrias cerebrales	Universidad de granada. fisiología	Tesis doctoral	1998
Lipid peroxidation and antioxidants in erythrocyte membranes of full-term and preterm newborns	Biofactors	Articulo	1998
Muscle blood flow is reduced with dehydration during prolonged exercise in humans.	The journal of physiology	Articulo	1998
Peroxidación lipídica y antioxidantes en niños nacidos a pretérmino sometidos a oxigenoterapia y a término.	Universidad de granada. fisiología	Tesis doctoral	1998
Plasma antioxidants are strongly affected by iron-induced lipid peroxidation in rats subjected to physical exercise and different dietary fats	Biofactors	Articulo	1998
Tissue specific interactions of exercise, dietary fatty acids, and vitamin e in lipid peroxidation	Free radical biology & medicine	Articulo	1998
An anthropometric equation for the determination of the percentage of body fat in young men from the canarian population	Medicina clínica	Articulo	1997
Cardiovascular responses to dynamic exercise with acute anemia in humans.	The american journal of physiology	Articulo	1997
Coenzyme q content depends upon oxidative stress and dietary fat unsaturation	Molecular aspects of medicine	Articulo	1997
Efecto del grado de insaturación de la grasa dietética y/o calentamiento de la misma sobre peroxidación lipídica y funcionalidad mitocondrial	Universidad de granada. fisiología	Tesis doctoral	1997
Fractional use of anaerobic capacity during a 30- and a 45-s wingate test.	European journal of applied physiology and occupational physiology	Articulo	1997
Hypoxia and the cardiovascular response to dynamic knee-extensor exercise.	The american journal of physiology	Articulo	1997
Lipid peroxidation and antioxidants in newborns	Molecular aspects of medicine	Articulo	1997
Role of caloric content on gastric emptying in humans.	The journal of physiology	Articulo	1997
Absence of rapid adaptation of the exocrine pancreas of conscious dogs to diets enriched in fat or carbohydrates	Archives of physiology and biochemistry	Articulo	1996
Alimentación y corazón	3m farmaceutica	Libros	1996
Blood platelet function in healthy individuals of different ages. effects of exercise and exercise conditioning	The journal of sports medicine and physical fitness	Articulo	1996
Effects of amount and type of dietary fat on exocrine pancreatic secretion in dogs after different period of adaptation	Archives of physiology and biochemistry	Articulo	1996
Long term effects on lipid metabolism in miniature swine (sus scrofa) of diets enriched in saturated. monounsaturated and	Archives of physiology and	Articulo	1996

Effect of diets enriched in saturated, monounsaturated and polyunsaturated (n-6 and n-3) fatty acids	biochemistry		
Cambios en la estructura y función de mitocondrias y microsomas de ratas alimentadas con distintos tipos de grasa dietética tras estrés oxidativo inducido por adriamicina	Universidad de granada. fisiología	Tesis doctoral	1995
Estudio comparativo de aceite de oliva y girasol sobre la peroxidación lipídica en ratas sometidas a ejercicio físico	Universidad de granada. fisiología	Tesis doctoral	1995
Modes of coenzyme q functions in electron transfer	Protoplasma	Artículo	1995
An updating of the biochemical function of coenzyme q in mitochondria	Molecular aspects of medicine	Artículo	1994
Dietary polyunsaturated fatty-acids and peroxidative risks in sport practice - alternatives	The journal of sports medicine and physical fitness	Artículo	1994
Effects of adaptation to diets enriched with saturated, monounsaturated and polyunsaturated fats on lipid and serum fatty acid levels in miniature swine (sus scrofa)	Comparative biochemistry and physiology. a. comparative physiology	Artículo	1994
Peroxidative extent and coenzyme-q levels in the rat - influence of physical-training and dietary fats	Molecular aspects of medicine	Artículo	1994
Distal ileum resection totally suppresses the late pancreatic postprandial hypersecretion in conscious dogs	Archives internationales de physiologie et de biochimie	Artículo	1993
Effect of dietary-fat composition on biliary cholesterol saturation index in dogs	Archives internationales de physiologie et de biochimie	Artículo	1993
Role of vasoactive intestinal polypeptide (vip), secretin and gastrin in the genesis of the late exocrine pancreatic hypersecretion, food intake dependent in in conscious dogs	Nahrung (weinheim)	Artículo	1993
Salivary steroid changes and physical performance in highly trained cyclists.	International journal of sports medicine	Artículo	1993
Adaptation of biliary response to dietary olive oil and sunflower seed oil in dogs	British journal of nutrition	Artículo	1992
Comparative effect of truncal vagotomy and pirenzepine on postprandial secretory response of secretory pancreal in dogs	Fundamental & clinical pharmacology	Artículo	1992
Induzione della citocromo ossidasi in seguito a stress ossidativo prodotto da adriamicina in cuore di ratti alimentati con olio di oliva	Cardiologia sperimentale	Artículo	1992
Late postprandial pancreatic secretion in conscious dogs. effect of vagotomy	Archives of physiology and biochemistry	Artículo	1992
Mitochondrial and microsomal cholesterol mobilitation after oxidative stress induced by adriamycin in rats fed with dietary olive and corn oil	Life sciences	Artículo	1992
Natural distribution and occurrence of coenzyme q homologues	Membrane biochemistry	Artículo	1992
Changes in mitochondrial and microsomal rat liver coenzyme q9 and q10 content induced by dietary fat and endogenous lipid peroxidation	Febs letters	Artículo	1991
Cytochrome oxidase induction after oxidative stress induced by adriamycin in liver of rats fed with dietary olive oil	Biochemical and biophysical research communications	Artículo	1991
Effect of dietary fat on lipid composition of gallbladder bile in miniature swine	Comparative biochemistry and physiology. part a, molecular & integrative physiology	Artículo	1991
Postprandial modifications of plasma secretin levels during pancreatic secretion in dogs	Archives of physiology and biochemistry	Artículo	1991
Protein digestibility in dogs. effects of the quantity and quality of dietary fats (virgen olive oil and sunflower oil)	Nahrung (weinheim)	Artículo	1991
Fats digestability in dogs after long term adaptation to diets varying in the degree of lipid saturation	Medical science research	Artículo	1990
Physical exercise and serum potassium in kidney insufficiency	Revista clinica española	Artículo	1990

Influence of pirenzepine upon the late postprandial pancreatic hypersecretion in dogs	Medical science research	Articulo	1989
Physiological role and characteristics of the late pancreatic postprandial hypersecretion in concious dogs	The journal of clinical nutrition and gastroenterology	Articulo	1987
Cimetidine modifies the late pancreatic postprandial hypersecretion in dogs	Ircs medical science	Articulo	1985

	Título proyecto	Tipo	Inicio	Fin
1	Patogénesis y tratamiento de la deficiencia en coenzima q	Proyecto	12/1/16	12/31/18
2	Patogenesis y tratamiento de la deficiencia en coenzima q	Proyecto	12/1/16	12/31/18
3	Equipamiento para el instituto de nutrición y tecnología de los alimentos de la universidad de granada	Proyecto	12/1/16	12/31/18
4	Equipamiento para el instituto de nutrición y tecnología de los alimentos de la universidad de granada.	Proyecto	12/1/16	1/31/18
5	Contrato de investigación entre la empresa campofrío food: "evaluación de 10 productos específicos";	Contrato	12/31/15	12/31/16
6	Aprovechamiento biotecnológico de los subproductos del olivar de andalucía dirigido al sector alimentario y agrícola. utilización del ácido maslínico y su derivado feniletilamina procedente de la aceituna en el tratamiento y prevención del síndrome m	Contrato	12/2/14	12/31/16
7	Estudio nacional, multicéntrico, prospectivo, doble ciego, en grupos paralelos y de asignación aleatoria de producto mm para disminuir la masa grasa y mejorar la forma física secundaria a la hipertrofia muscular en humanos	Contrato	12/16/15	12/31/16
8	Proyecto internacional paco: pedalea y anda al colegio (españa, ecuador y chile)	Proyecto	12/2/15	5/2/16
9	Equipamiento para el instituto de nutrición y tecnología de los alimentos de la universidad de granada	Proyecto	12/1/14	12/31/15
10	Por una universidad saludable: programa de intervención zumba fitness	Proyecto	12/3/14	12/31/15
11	Desarrollo tecnológico para la revalorización de subproductos de la industrialización de cereales y legumbres secas	Contrato	12/1/13	12/31/15
12	Desarrollo de productos nutraceúticos en matriz gel destinados a necesidades especiales	Contrato	12/1/14	3/31/15
13	Diseño de menús saludables (acompañados de ficha técnica nutricional y receta de elaboración de cada plato) y determinación de componentes nutricionales de alimentos y muestras humanas	Contrato	12/1/08	12/30/12
14	Mecanismos oxygenación cerebral y fatiga	Proyecto	12/1/10	1/1/12
15	Proyecto de infraestructura 2008 (convocatoria nacional	Proyecto	12/20/08	9/30/11
16	Dieta mediterránea, ejercicio y estatinas en el tratamiento de la dislipemia.	Proyecto	12/1/10	1/31/10
17	Influencia de ejercicio físico regular en la expresión proteica y nivel de fosforilación (activación) de la isoforma larga del receptor de leptina (ob-rb) en músculo esquelético humano.	Proyecto	12/1/07	12/31/08
18	Influencia del ejercicio físico en los mecanismos de señalización de leptina en el músculo esquelético humano	Proyecto	12/1/06	1/1/08
19	Mecanismos fisiológicos y moleculares de la reducción de masa grasa en seres humanos mediante ejercicios de musculación	Proyecto	12/1/06	1/1/08
20	Proyecto de infraestructura (convocatoria boc 188, de 26 sept 2006)	Proyecto	12/1/07	12/31/07
21	Proyecto de infraestructura (convocatoria boc 188, de 26 sept 2006)	Proyecto	12/1/07	12/31/07
22	Envejecimiento mitocondrial por la práctica deportiva: diferencias entre deportistas recreacionales y de élite	Proyecto	12/1/07	10/31/07
23	Subvenciones para equipamiento e infraestructura científico-tecnológica de las universidades canarias y de sus centros e institutos universitarios de investigación, con co-financiación feder	Proyecto	12/1/06	12/31/06
24	Proyectos de infraestructura 2004 gobierno de canarias (resolución de 12 de mayo de 2005)	Proyecto	12/1/06	12/31/06
25	Influencia del polimorfismo del gen del receptor de la vitamina d y del fenotipo muscular en la respuesta osteogénica al ejercicio con y sin impactos en seres humanos.	Proyecto	12/1/03	11/30/06
26	Modulación de los mecanismos apoptóticos por el perfil de ácidos grasos de las membranas celulares: papel de la mitocondria.	Proyecto	12/30/99	12/30/02
27	Efecto del consumo de aceite de oliva virgen sobre los mecanismos de	Proyecto	12/1/96	12/31/98

Actividades 10

Titulo actividad	Entidad	Tipo	Fecha
Participación en: sociedad española de radicales libres ()		Comité científico en sociedad ci	Jan 1, 1995
Participación en comité de revista: revista andaluza de medicina del deporte		Comités científicos de revista	Jan 1, 2008
Participación en comité de revista: medicina anti envejecimiento		Comités científicos de revista	May 1, 2003
Comisión de calidad del máste oficial en investigación y docencia en ciencias de la actividad física y saludr		Experiencia en evaluación	Oct 18, 2010
Evaluador externo entidad de la que depende: ministero dell'istruzione dell'università e della ricerca (italia)		Experiencia en evaluación	Sep 1, 2003
Evaluador externo entidad de la que depende: agencia nacional de evaluación de la calidad y acreditación. ministerio de educación y ciencia (españa)		Experiencia en evaluación	May 1, 2009
Evaluación de artículos para revistas indexadas en el journal citation reports o equivalentes		Experiencia en evaluación	Nov 1, 1995
Cts454: impacto fisiologico del estres oxidativo, deporte, actividad física y salud		Grupos y equipos de investigació	Sep 1, 2000
Comité científico del vii congreso internacional de la asociación española de ciencias del deporte	Vii congreso internacional de la asociación española de ciencias del deporte	Comité científico en sociedad ci	Nov 15, 2012
Sociedad española de ciencias fisiológicas		Comité científico en sociedad ci	Jan 1, 1986

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