

Rafael Sim

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

306
papers

11,805
citations

55
h-index

96
g-index

340
ext. papers

14,349
ext. citations

6.2
avg. IF

6.61
L-index

#	Paper	IF	Citations
306	Liraglutide vs insulin glargine and placebo in combination with metformin and sulfonylurea therapy in type 2 diabetes mellitus (LEAD-5 met+SU): a randomised controlled trial. <i>Diabetologia</i> , 2009 , 52, 2046-55	10.3	674
305	The progress in understanding and treatment of diabetic retinopathy. <i>Progress in Retinal and Eye Research</i> , 2016 , 51, 156-86	20.5	449
304	Diabetic retinopathy. <i>Nature Reviews Disease Primers</i> , 2016 , 2, 16012	51.1	367
303	Neurodegeneration in the diabetic eye: new insights and therapeutic perspectives. <i>Trends in Endocrinology and Metabolism</i> , 2014 , 25, 23-33	8.8	273
302	Angiogenic and antiangiogenic factors in proliferative diabetic retinopathy. <i>Current Diabetes Reviews</i> , 2006 , 2, 71-98	2.7	268
301	The retinal pigment epithelium: something more than a constituent of the blood-retinal barrier--implications for the pathogenesis of diabetic retinopathy. <i>Journal of Biomedicine and Biotechnology</i> , 2010 , 2010, 190724		260
300	Effects of Sotagliflozin Added to Insulin in Patients with Type 1 Diabetes. <i>New England Journal of Medicine</i> , 2017 , 377, 2337-2348	59.2	224
299	High prevalence of hepatitis C virus infection in diabetic patients. <i>Diabetes Care</i> , 1996 , 19, 998-1000	14.6	204
298	Neurodegeneration in diabetic retinopathy: does it really matter?. <i>Diabetologia</i> , 2018 , 61, 1902-1912	10.3	201
297	Vascular endothelial growth factor and diabetic complications. <i>Progress in Retinal and Eye Research</i> , 2008 , 27, 608-21	20.5	155
296	Ocular Anti-VEGF therapy for diabetic retinopathy: the role of VEGF in the pathogenesis of diabetic retinopathy. <i>Diabetes Care</i> , 2014 , 37, 893-9	14.6	153
295	Association between plasma triglycerides and high-density lipoprotein cholesterol and microvascular kidney disease and retinopathy in type 2 diabetes mellitus: a global case-control study in 13 countries. <i>Circulation</i> , 2014 , 129, 999-1008	16.7	153
294	Intravitreal anti-VEGF for diabetic retinopathy: hopes and fears for a new therapeutic strategy. <i>Diabetologia</i> , 2008 , 51, 1574-80	10.3	153
293	High prevalence of glucose abnormalities in patients with hepatitis C virus infection: a multivariate analysis considering the liver injury. <i>Diabetes Care</i> , 2004 , 27, 1171-5	14.6	151
292	Novel approaches for treating diabetic retinopathy based on recent pathogenic evidence. <i>Progress in Retinal and Eye Research</i> , 2015 , 48, 160-80	20.5	148
291	Interleukin-8, monocyte chemoattractant protein-1 and IL-10 in the vitreous fluid of patients with proliferative diabetic retinopathy. <i>Diabetic Medicine</i> , 2005 , 22, 719-22	3.5	139
290	Novel insights in SHBG regulation and clinical implications. <i>Trends in Endocrinology and Metabolism</i> , 2015 , 26, 376-83	8.8	136

289	Diabetic macular oedema. <i>Lancet Diabetes and Endocrinology,the</i> , 2017 , 5, 143-155	18.1	127
288	Lower somatostatin expression is an early event in diabetic retinopathy and is associated with retinal neurodegeneration. <i>Diabetes Care</i> , 2007 , 30, 2902-8	14.6	127
287	Proteomic analysis of human vitreous fluid by fluorescence-based difference gel electrophoresis (DIGE): a new strategy for identifying potential candidates in the pathogenesis of proliferative diabetic retinopathy. <i>Diabetologia</i> , 2007 , 50, 1294-303	10.3	126
286	Exenatide twice daily versus glimepiride for prevention of glycaemic deterioration in patients with type 2 diabetes with metformin failure (EUREXA): an open-label, randomised controlled trial. <i>Lancet, The</i> , 2012 , 379, 2270-8	40	125
285	Topical Administration of GLP-1 Receptor Agonists Prevents Retinal Neurodegeneration in Experimental Diabetes. <i>Diabetes</i> , 2016 , 65, 172-87	0.9	119
284	Semaglutide, reduction in glycated haemoglobin and the risk of diabetic retinopathy. <i>Diabetes, Obesity and Metabolism</i> , 2018 , 20, 889-897	6.7	114
283	The db/db mouse: a useful model for the study of diabetic retinal neurodegeneration. <i>PLoS ONE</i> , 2014 , 9, e97302	3.7	113
282	Phagocytic activity is impaired in type 2 diabetes mellitus and increases after metabolic improvement. <i>PLoS ONE</i> , 2011 , 6, e23366	3.7	108
281	Erythropoietin is expressed in the human retina and it is highly elevated in the vitreous fluid of patients with diabetic macular edema. <i>Diabetes Care</i> , 2006 , 29, 2028-33	14.6	107
280	Advances in the medical treatment of diabetic retinopathy. <i>Diabetes Care</i> , 2009 , 32, 1556-62	14.6	106
279	Sustained virological response correlates with reduction in the incidence of glucose abnormalities in patients with chronic hepatitis C virus infection. <i>Diabetes Care</i> , 2006 , 29, 2462-6	14.6	104
278	Neurodegeneration is an early event in diabetic retinopathy: therapeutic implications. <i>British Journal of Ophthalmology</i> , 2012 , 96, 1285-90	5.5	102
277	Iron deficiency in obese postmenopausal women. <i>Obesity</i> , 2006 , 14, 1724-30	8	99
276	Encephalopathy associated to autoimmune thyroid disease: a more appropriate term for an underestimated condition?. <i>Journal of the Neurological Sciences</i> , 2000 , 176, 65-9	3.2	98
275	Study of the potential association of adipose tissue GLP-1 receptor with obesity and insulin resistance. <i>Endocrinology</i> , 2011 , 152, 4072-9	4.8	96
274	Vitreous levels of vascular cell adhesion molecule and vascular endothelial growth factor in patients with proliferative diabetic retinopathy: a case-control study. <i>Diabetes Care</i> , 2001 , 24, 516-21	14.6	96
273	Interphotoreceptor retinoid-binding protein (IRBP) is downregulated at early stages of diabetic retinopathy. <i>Diabetologia</i> , 2009 , 52, 2633-41	10.3	95
272	Topical administration of somatostatin prevents retinal neurodegeneration in experimental diabetes. <i>Diabetes</i> , 2013 , 62, 2569-78	0.9	87

271	Cognitive impairment and dementia: a new emerging complication of type 2 diabetes-The diabetologist's perspective. <i>Acta Diabetologica</i> , 2017 , 54, 417-424	3.9	86
270	Vitreous levels of vascular endothelial growth factor are not influenced by its serum concentrations in diabetic retinopathy. <i>Diabetologia</i> , 1997 , 40, 1107-9	10.3	84
269	Screening for diabetic retinopathy: new perspectives and challenges. <i>Lancet Diabetes and Endocrinology</i> , 2020 , 8, 337-347	18.1	82
268	Lower zinc-alpha2-glycoprotein production by adipose tissue and liver in obese patients unrelated to insulin resistance. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2009 , 94, 4499-507	5.6	78
267	Expression of erythropoietin and its receptor in the human retina: a comparative study of diabetic and nondiabetic subjects. <i>Diabetes Care</i> , 2008 , 31, 1189-94	14.6	75
266	Potential role of tumor necrosis factor- α in downregulating sex hormone-binding globulin. <i>Diabetes</i> , 2012 , 61, 372-82	0.9	74
265	Local and Systemic Inflammatory Biomarkers of Diabetic Retinopathy: An Integrative Approach 2017 , 58, BIO68-BIO75		73
264	Fenofibrate - a potential systemic treatment for diabetic retinopathy?. <i>American Journal of Ophthalmology</i> , 2012 , 154, 6-12	4.9	73
263	Free insulin growth factor-I and vascular endothelial growth factor in the vitreous fluid of patients with proliferative diabetic retinopathy. <i>American Journal of Ophthalmology</i> , 2002 , 134, 376-82	4.9	71
262	Effects of sardine-enriched diet on metabolic control, inflammation and gut microbiota in drug-naïve patients with type 2 diabetes: a pilot randomized trial. <i>Lipids in Health and Disease</i> , 2016 , 15, 78	4.4	71
261	Usefulness of the vitreous fluid analysis in the translational research of diabetic retinopathy. <i>Mediators of Inflammation</i> , 2012 , 2012, 872978	4.3	65
260	Iron in obesity. An ancient micronutrient for a modern disease. <i>Obesity Reviews</i> , 2010 , 11, 322-8	10.6	64
259	Metabolic fingerprints of proliferative diabetic retinopathy: an 1H-NMR-based metabonomic approach using vitreous humor 2010 , 51, 4416-21		64
258	Functional and Structural Findings of Neurodegeneration in Early Stages of Diabetic Retinopathy: Cross-sectional Analyses of Baseline Data of the EUROCONDOR Project. <i>Diabetes</i> , 2017 , 66, 2503-2510	0.9	63
257	Beneficial effects of fenofibrate in retinal pigment epithelium by the modulation of stress and survival signaling under diabetic conditions. <i>Journal of Cellular Physiology</i> , 2012 , 227, 2352-62	7	62
256	Study of glucose tolerance in consecutive patients harbouring incidental adrenal tumours. Study Group of Incidental Adrenal Adenoma. <i>Clinical Endocrinology</i> , 1998 , 49, 53-61	3.4	61
255	Obesity Determines the Immunophenotypic Profile and Functional Characteristics of Human Mesenchymal Stem Cells From Adipose Tissue. <i>Stem Cells Translational Medicine</i> , 2016 , 5, 464-75	6.9	61
254	Association between diabetic eye disease and other complications of diabetes: Implications for care. A systematic review. <i>Diabetes, Obesity and Metabolism</i> , 2019 , 21, 467-478	6.7	60

253	Lymphocytic hypophysitis successfully treated with azathioprine: first case report. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2003 , 74, 1581-3	5.5	58
252	Modulation of microglia polarization dynamics during diabetic retinopathy in db/db mice. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2016 , 1862, 1663-74	6.9	57
251	Arterial stiffness is increased in patients with type 1 diabetes without cardiovascular disease: a potential role of low-grade inflammation. <i>Diabetes Care</i> , 2012 , 35, 1083-9	14.6	54
250	Deficit of somatostatin-like immunoreactivity in the vitreous fluid of diabetic patients: possible role in the development of proliferative diabetic retinopathy. <i>Diabetes Care</i> , 2002 , 25, 2282-6	14.6	54
249	Genetics in diabetic retinopathy: current concepts and new insights. <i>Current Genomics</i> , 2013 , 14, 289-99	2.6	53
248	Apolipoprotein A1 is overexpressed in the retina of diabetic patients. <i>American Journal of Ophthalmology</i> , 2009 , 147, 319-325.e1	4.9	52
247	A nontargeted proteomic approach to the study of visceral and subcutaneous adipose tissue in human obesity. <i>Molecular and Cellular Endocrinology</i> , 2012 , 363, 10-9	4.4	51
246	Encephalopathy associated with autoimmune thyroid disease in patients with Graves Disease: clinical manifestations, follow-up, and outcomes. <i>BMC Neurology</i> , 2010 , 10, 27	3.1	51
245	Somatostatin molecular variants in the vitreous fluid: a comparative study between diabetic patients with proliferative diabetic retinopathy and nondiabetic control subjects. <i>Diabetes Care</i> , 2005 , 28, 1941-7	14.6	51
244	Circulating Biomarkers of Diabetic Retinopathy: An Overview Based on Physiopathology. <i>Journal of Diabetes Research</i> , 2016 , 2016, 5263798	3.9	51
243	Neuroprotection in diabetic retinopathy. <i>Current Diabetes Reports</i> , 2012 , 12, 329-37	5.6	50
242	Elevation of apolipoprotein A-I and apolipoprotein H levels in the vitreous fluid and overexpression in the retina of diabetic patients. <i>JAMA Ophthalmology</i> , 2008 , 126, 1076-81		50
241	Proinflammatory cytokines, insulin resistance, and insulin secretion in chronic hepatitis C patients: A case-control study. <i>Diabetes Care</i> , 2006 , 29, 1096-101	14.6	50
240	Neuroprotection as a Therapeutic Target for Diabetic Retinopathy. <i>Journal of Diabetes Research</i> , 2016 , 2016, 9508541	3.9	50
239	Diabetic Retinopathy in the Context of Patients with Diabetes. <i>Ophthalmic Research</i> , 2019 , 62, 211-217	2.9	49
238	Proteomic Analysis of Early Diabetic Retinopathy Reveals Mediators of Neurodegenerative Brain Diseases 2018 , 59, 2264-2274		49
237	Adiponectin upregulates SHBG production: molecular mechanisms and potential implications. <i>Endocrinology</i> , 2014 , 155, 2820-30	4.8	49
236	Effects of high glucose concentration on the barrier function and the expression of tight junction proteins in human retinal pigment epithelial cells. <i>Experimental Eye Research</i> , 2009 , 89, 913-20	3.7	49

235	Fenofibric acid reduces fibronectin and collagen type IV overexpression in human retinal pigment epithelial cells grown in conditions mimicking the diabetic milieu: functional implications in retinal permeability 2011 , 52, 6348-54		49
234	IL1 β down-regulation of sex hormone-binding globulin production by decreasing HNF-4 α via MEK-1/2 and JNK MAPK pathways. <i>Molecular Endocrinology</i> , 2012 , 26, 1917-27		48
233	Effects of Topically Administered Neuroprotective Drugs in Early Stages of Diabetic Retinopathy: Results of the EUROCONDOR Clinical Trial. <i>Diabetes</i> , 2019 , 68, 457-463	0.9	48
232	Factors accounting for high ferritin levels in obesity. <i>International Journal of Obesity</i> , 2008 , 32, 1665-9	5.5	46
231	Lowered cortistatin expression is an early event in the human diabetic retina and is associated with apoptosis and glial activation. <i>Molecular Vision</i> , 2008 , 14, 1496-502	2.3	46
230	Non-invasive methods of glucose measurement: current status and future perspectives. <i>Current Diabetes Reviews</i> , 2012 , 8, 48-54	2.7	44
229	Serum markers of vascular inflammation in dyslipemia. <i>Clinica Chimica Acta</i> , 2006 , 369, 1-16	6.2	44
228	Diabetes is the main factor accounting for hypomagnesemia in obese subjects. <i>PLoS ONE</i> , 2012 , 7, e30599	3.7	44
227	geoRge: A Computational Tool To Detect the Presence of Stable Isotope Labeling in LC/MS-Based Untargeted Metabolomics. <i>Analytical Chemistry</i> , 2016 , 88, 621-8	7.8	43
226	Hepatocyte growth factor in vitreous and serum from patients with proliferative diabetic retinopathy. <i>British Journal of Ophthalmology</i> , 2000 , 84, 732-5	5.5	43
225	Type 2 diabetes is an independent risk factor for dementia conversion in patients with mild cognitive impairment. <i>Journal of Diabetes and Its Complications</i> , 2017 , 31, 1272-1274	3.2	42
224	Advanced glycation end products are associated with arterial stiffness in type 1 diabetes. <i>Journal of Endocrinology</i> , 2014 , 221, 405-13	4.7	42
223	Molecular Mechanism of TNF β Induced Down-Regulation of SHBG Expression. <i>Molecular Endocrinology</i> , 2012 , 26, 438-46		42
222	Pre-clinical Cushing β syndrome: report of three cases and literature review. <i>Hormone Research</i> , 1994 , 41, 230-5		42
221	Topical administration of DPP-IV inhibitors prevents retinal neurodegeneration in experimental diabetes. <i>Diabetologia</i> , 2017 , 60, 2285-2298	10.3	39
220	Fenofibric acid prevents retinal pigment epithelium disruption induced by interleukin-1 β by suppressing AMP-activated protein kinase (AMPK) activation. <i>Diabetologia</i> , 2011 , 54, 1543-53	10.3	39
219	Gene expression of paired abdominal adipose AQP7 and liver AQP9 in patients with morbid obesity: relationship with glucose abnormalities. <i>Metabolism: Clinical and Experimental</i> , 2009 , 58, 1762-8	12.7	39
218	Diabetes is the main factor accounting for the high ferritin levels detected in chronic hepatitis C virus infection. <i>Diabetes Care</i> , 2004 , 27, 2669-75	14.6	38

217	A compartmentalized microfluidic chip with crisscross microgrooves and electrophysiological electrodes for modeling the blood-retinal barrier. <i>Lab on A Chip</i> , 2017 , 18, 95-105	7.2	38
216	Glucose abnormalities are an independent risk factor for nonresponse to antiviral treatment in chronic hepatitis C. <i>American Journal of Gastroenterology</i> , 2007 , 102, 2189-95	0.7	37
215	Deficit of somatostatin in the vitreous fluid of patients with diabetic macular edema. <i>Diabetes Care</i> , 2007 , 30, 725-7	14.6	37
214	Islet cell and thyroid antibody prevalence in patients with hepatitis C virus infection: effect of treatment with interferon. <i>Translational Research</i> , 2001 , 137, 38-42		37
213	Proapoptotic and survival signaling in the neuroretina at early stages of diabetic retinopathy. <i>Molecular Vision</i> , 2013 , 19, 47-53	2.3	37
212	GLP-1R as a Target for the Treatment of Diabetic Retinopathy: Friend or Foe?. <i>Diabetes</i> , 2017 , 66, 1453-1460	14.6	36
211	Liquid Biopsy of Vitreous Reveals an Abundant Vesicle Population Consistent With the Size and Morphology of Exosomes. <i>Translational Vision Science and Technology</i> , 2018 , 7, 6	3.3	36
210	Long-term changes in cardiovascular risk markers during administration of exenatide twice daily or glimepiride: results from the European exenatide study. <i>Cardiovascular Diabetology</i> , 2015 , 14, 116	8.7	36
209	Nitric oxide and vascular endothelial growth factor concentrations are increased but not related in vitreous fluid of patients with proliferative diabetic retinopathy. <i>Diabetic Medicine</i> , 2002 , 19, 655-60	3.5	36
208	V804M RET mutation and familial medullary thyroid carcinoma: report of a large family with expression of the disease only in the homozygous gene carriers. <i>Surgery</i> , 2002 , 131, 509-14	3.6	36
207	Fenofibrate for diabetic retinopathy. <i>Lancet, The</i> , 2007 , 370, 1667-8	4.0	35
206	Strategies for blocking angiogenesis in diabetic retinopathy: from basic science to clinical practice. <i>Expert Opinion on Investigational Drugs</i> , 2007 , 16, 1209-26	5.9	35
205	Understanding multifactorial brain changes in type 2 diabetes: a biomarker perspective. <i>Lancet Neurology, The</i> , 2020 , 19, 699-710	24.1	35
204	Effect of fenofibrate on retinal neurodegeneration in an experimental model of type 2 diabetes. <i>Acta Diabetologica</i> , 2015 , 52, 113-22	3.9	34
203	Soluble transferrin receptors and ferritin in Type 2 diabetic patients. <i>Diabetic Medicine</i> , 2005 , 22, 97-101	3.5	34
202	Usefulness of peripapillary nerve fiber layer thickness assessed by optical coherence tomography as a biomarker for Alzheimer's disease. <i>Scientific Reports</i> , 2018 , 8, 16345	4.9	34
201	Asymptomatic sleep-disordered breathing in premenopausal women awaiting bariatric surgery. <i>Obesity Surgery</i> , 2010 , 20, 454-61	3.7	33
200	Mice lacking PGC-1 α in adipose tissues reveal a dissociation between mitochondrial dysfunction and insulin resistance. <i>Molecular Metabolism</i> , 2013 , 2, 215-26	8.8	32

199	Reversible white matter alterations in encephalopathy associated with autoimmune thyroid disease. <i>Journal of Neurology</i> , 2002 , 249, 1063-5	5.5	32
198	Somatostatin and diabetic retinopathy: current concepts and new therapeutic perspectives. <i>Endocrine</i> , 2014 , 46, 209-14	4	31
197	Update on Diagnosis and Treatment of Diabetic Retinopathy: A Consensus Guideline of the Working Group of Ocular Health (Spanish Society of Diabetes and Spanish Vitreous and Retina Society). <i>Journal of Ophthalmology</i> , 2017 , 2017, 8234186	2	31
196	Erythropoietin produced by the retina: its role in physiology and diabetic retinopathy. <i>Endocrine</i> , 2012 , 41, 220-6	4	31
195	CD4-CD8 and CD28 expression in T cells infiltrating the vitreous fluid in patients with proliferative diabetic retinopathy: a flow cytometric analysis. <i>JAMA Ophthalmology</i> , 2004 , 122, 743-9		31
194	Glucose abnormalities in patients with hepatitis C virus infection: Epidemiology and pathogenesis. <i>Diabetes Care</i> , 2006 , 29, 1140-9	14.6	31
193	Pulmonary Function and Sleep Breathing: Two New Targets for Type 2 Diabetes Care. <i>Endocrine Reviews</i> , 2017 , 38, 550-573	27.2	30
192	Fenofibrate: a new treatment for diabetic retinopathy. Molecular mechanisms and future perspectives. <i>Current Medicinal Chemistry</i> , 2013 , 20, 3258-66	4.3	30
191	Mitochondrial DNA oxidation and manganese superoxide dismutase activity in peripheral blood mononuclear cells from type 2 diabetic patients. <i>Diabetes and Metabolism</i> , 2008 , 34, 117-24	5.4	30
190	Erythropoietin protects retinal pigment epithelial cells against the increase of permeability induced by diabetic conditions: essential role of JAK2/ PI3K signaling. <i>Cellular Signalling</i> , 2011 , 23, 1596-602	4.9	29
189	Diabetic retinopathy: new therapeutic perspectives based on pathogenic mechanisms. <i>Journal of Endocrinological Investigation</i> , 2017 , 40, 925-935	5.2	27
188	Iron overload in diabetic retinopathy: a cause or a consequence of impaired mechanisms?. <i>Experimental Diabetes Research</i> , 2010 , 2010,		27
187	Eating disorders are frequent among type 2 diabetic patients and are associated with worse metabolic and psychological outcomes: results from a cross-sectional study in primary and secondary care settings. <i>Acta Diabetologica</i> , 2015 , 52, 1037-44	3.9	26
186	Update on cardiovascular safety of PPARgamma agonists and relevance to medicinal chemistry and clinical pharmacology. <i>Current Topics in Medicinal Chemistry</i> , 2012 , 12, 585-604	3	26
185	Sex Hormone-Binding Globulin Reduction in Metabolic Disorders May Play a Role in NAFLD Development. <i>Endocrinology</i> , 2017 , 158, 545-559	4.8	25
184	Effect of atorvastatin on lipoprotein (a) and interleukin-10: a randomized placebo-controlled trial. <i>Diabetes and Metabolism</i> , 2011 , 37, 124-30	5.4	25
183	APOH is increased in the plasma and liver of type 2 diabetic patients with metabolic syndrome. <i>Atherosclerosis</i> , 2010 , 209, 201-5	3.1	25
182	Diabetes is an independent risk factor for severe nocturnal hypoxemia in obese patients. A case-control study. <i>PLoS ONE</i> , 2009 , 4, e4692	3.7	25

181	Osteoprotegerin Is a New Regulator of Inflammation and Angiogenesis in Proliferative Diabetic Retinopathy 2017 , 58, 3189-3201		24
180	Differential effects of gemfibrozil and fenofibrate on reverse cholesterol transport from macrophages to feces in vivo. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2011 , 1811, 104-10	5	24
179	Influence of surgical stress and parenteral nutrition on serum leptin concentration. <i>Clinical Nutrition</i> , 2000 , 19, 61-4	5.9	24
178	Type 2 diabetes impairs pulmonary function in morbidly obese women: a case-control study. <i>Diabetologia</i> , 2010 , 53, 1210-6	10.3	23
177	Fenofibrate prevents the disruption of the outer blood retinal barrier through downregulation of NF- κ B activity. <i>Acta Diabetologica</i> , 2016 , 53, 109-18	3.9	22
176	Consenso de expertos sobre propuestas para la mejora del manejo de la dislipemia aterogénica. <i>Revista Espanola De Cardiologia</i> , 2014 , 67, 36-44	1.5	22
175	DNA Methylomes Reveal Biological Networks Involved in Human Eye Development, Functions and Associated Disorders. <i>Scientific Reports</i> , 2017 , 7, 11762	4.9	22
174	Impact of glucose-lowering agents on the risk of cancer in type 2 diabetic patients. The Barcelona case-control study. <i>PLoS ONE</i> , 2013 , 8, e79968	3.7	22
173	Metformin: a new option in cancer treatment. <i>Clinical and Translational Oncology</i> , 2011 , 13, 363-7	3.6	22
172	Insulin resistance is related to impaired lung function in morbidly obese women: a case-control study. <i>Diabetes/Metabolism Research and Reviews</i> , 2010 , 26, 639-45	7.5	22
171	Lipoprotein(a) as a risk factor for cardiovascular mortality in type 2 diabetic patients: a 10-year follow-up study. <i>Diabetes Care</i> , 2005 , 28, 931-3	14.6	22
170	New Insights into the Mechanisms of Action of Topical Administration of GLP-1 in an Experimental Model of Diabetic Retinopathy. <i>Journal of Clinical Medicine</i> , 2019 , 8,	5.1	21
169	Non-traditional systemic treatments for diabetic retinopathy: an evidence-based review. <i>Current Medicinal Chemistry</i> , 2015 , 22, 2580-9	4.3	21
168	Testosterone induces cell proliferation and cell cycle gene overexpression in human visceral preadipocytes. <i>American Journal of Physiology - Cell Physiology</i> , 2013 , 305, C355-9	5.4	21
167	Prevalence and risk factors accounting for true silent myocardial ischemia: a pilot case-control study comparing type 2 diabetic with non-diabetic control subjects. <i>Cardiovascular Diabetology</i> , 2011 , 10, 9	8.7	21
166	Efficacy and Safety of Once-Daily Insulin Degludec/Insulin Aspart versus Insulin Glargine (U100) for 52 Weeks in Insulin-Naïve Patients with Type 2 Diabetes: A Randomized Controlled Trial. <i>PLoS ONE</i> , 2016 , 11, e0163350	3.7	21
165	Impact of antidiabetic agents on dementia risk: A Bayesian network meta-analysis. <i>Metabolism: Clinical and Experimental</i> , 2020 , 109, 154265	12.7	21
164	Glutamate interactions with obesity, insulin resistance, cognition and gut microbiota composition. <i>Acta Diabetologica</i> , 2019 , 56, 569-579	3.9	20

163	Obesity induced by high fat diet attenuates postinfarct myocardial remodeling and dysfunction in adult B6D2F1 mice. <i>Journal of Molecular and Cellular Cardiology</i> , 2015 , 84, 154-61	5.8	20
162	Prevention and treatment of diabetic retinopathy: evidence from large, randomized trials. The emerging role of fenofibrate. <i>Reviews on Recent Clinical Trials</i> , 2012 , 7, 71-80	1.2	20
161	Vitreous levels of erythropoietin in patients with macular oedema secondary to retinal vein occlusions: a comparative study with diabetic macular oedema. <i>Eye</i> , 2009 , 23, 1066-71	4.4	20
160	Clinical significance of RET/PTC and p53 protein expression in sporadic papillary thyroid carcinoma. <i>Histopathology</i> , 2007 , 50, 225-31	7.3	20
159	Beneficial effects of fenofibric acid on overexpression of extracellular matrix components, COX-2, and impairment of endothelial permeability associated with diabetic retinopathy. <i>Experimental Eye Research</i> , 2015 , 140, 124-129	3.7	19
158	Different effects of thiazolidinediones on cardiovascular risk in patients with type 2 diabetes mellitus: pioglitazone versus rosiglitazone. <i>Current Drug Safety</i> , 2010 , 5, 234-44	1.4	19
157	Glucose abnormalities in non-alcoholic fatty liver disease and chronic hepatitis C virus infection: the role of iron overload. <i>Diabetes/Metabolism Research and Reviews</i> , 2009 , 25, 403-10	7.5	19
156	Diabetes protects from prostate cancer by downregulating androgen receptor: new insights from LNCaP cells and PAC120 mouse model. <i>PLoS ONE</i> , 2013 , 8, e74179	3.7	19
155	Correlation between Retinal Vessel Calibre and Neurodegeneration in Patients with Type 2 Diabetes Mellitus in the European Consortium for the Early Treatment of Diabetic Retinopathy (EUROCONDOR). <i>Ophthalmic Research</i> , 2016 , 56, 10-6	2.9	19
154	Vision related quality of life in patients with type 2 diabetes in the EUROCONDOR trial. <i>Endocrine</i> , 2017 , 57, 83-88	4	18
153	Intravitreal hepatocyte growth factor in patients with proliferative diabetic retinopathy: a case-control study. <i>Diabetes Research and Clinical Practice</i> , 2006 , 71, 36-44	7.4	18
152	Visual impairment in aging and cognitive decline: experience in a Memory Clinic. <i>Scientific Reports</i> , 2019 , 9, 8698	4.9	17
151	Molecular Implications of the PPARs in the Diabetic Eye. <i>PPAR Research</i> , 2013 , 2013, 686525	4.3	17
150	High glucose concentration leads to differential expression of tight junction proteins in human retinal pigment epithelial cells. <i>Endocrinologia Y Nutricion: Organo De La Sociedad Espanola De Endocrinologia Y Nutricion</i> , 2009 , 56, 53-8		17
149	Global Assessment of the Impact of Type 2 Diabetes on Sleep through Specific Questionnaires. A Case-Control Study. <i>PLoS ONE</i> , 2016 , 11, e0157579	3.7	17
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- 1 Silymarin prevents diabetes-induced hyperpermeability in human retinal endothelial cells. *Endocrinología Diabetes Y Nutrición (English Ed)*, **2018**, 65, 200-205 0.1