## Antonio Brunetti

List of Publications by Year in descending order

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81839 98753 5,311 131 39 67 citations g-index h-index papers 134 134 134 6855 docs citations times ranked citing authors all docs

#	Article	IF	Citations
1	Insulin Resistance and Cancer Risk: An Overview of the Pathogenetic Mechanisms. Experimental Diabetes Research, 2012, 2012, 1-12.	3.8	408
2	Gestational diabetes mellitus: an updated overview. Journal of Endocrinological Investigation, 2017, 40, 899-909.	1.8	358
3	Type 2 Diabetes Mellitus and Cardiovascular Disease: Genetic and Epigenetic Links. Frontiers in Endocrinology, 2018, 9, 2.	1.5	228
4	Lack of the architectural factor HMGA1 causes insulin resistance and diabetes in humans and mice. Nature Medicine, 2005, 11, 765-773.	15.2	204
5	Role of myogenin in myoblast differentiation and its regulation by fibroblast growth factor Journal of Biological Chemistry, 1990, 265, 5960-5963.	1.6	157
6	Mediterranean Diet Nutrients to Turn the Tide against Insulin Resistance and Related Diseases. Nutrients, 2020, 12, 1066.	1.7	128
7	Role of myogenin in myoblast differentiation and its regulation by fibroblast growth factor. Journal of Biological Chemistry, 1990, 265, 5960-3.	1.6	126
8	A Nucleoprotein Complex Containing Sp1, C/EBP $\hat{l}^2$ , and HMGI-Y Controls Human Insulin Receptor Gene Transcription. Molecular and Cellular Biology, 2003, 23, 2720-2732.	1.1	123
9	Increased expression of AP2 and Sp1 transcription factors in human thyroid tumors: a role in NIS expression regulation?. BMC Cancer, 2002, 2, 35.	1.1	107
10	Pseudogene-mediated posttranscriptional silencing of HMGA1 can result in insulin resistance and type 2 diabetes. Nature Communications, 2010, 1, 40.	5.8	102
11	Transcriptional regulation of human insulin receptor gene by the highâ€mobility group protein HMGI(Y). FASEB Journal, 2001, 15, 492-500.	0.2	97
12	Recent advances in the molecular genetics of type 2 diabetes mellitus. World Journal of Diabetes, 2014, 5, 128.	1.3	97
13	Functional Variants of the <emph type="ital">HMGA1</emph> Gene and Type 2 Diabetes Mellitus. JAMA - Journal of the American Medical Association, 2011, 305, 903.	3.8	87
14	Effects of acute physical exercise on oxidative stress and inflammatory status in young, sedentary obese subjects. PLoS ONE, 2017, 12, e0178900.	1.1	81
15	Increased O $\hat{a} \in g$ lycosylation of insulin signaling proteins results in their impaired activation and enhanced susceptibility to apoptosis in pancreatic $\hat{l}^2 \hat{a} \in e$ lls. FASEB Journal, 2004, 18, 959-961.	0.2	77
16	Insulin receptor monoclonal antibodies that mimic insulin action without activating tyrosine kinase. Journal of Biological Chemistry, 1989, 264, 2438-2444.	1.6	77
17	Regulation of insulin-like growth factor (IGF) I receptor expression during muscle cell differentiation. Potential autocrine role of IGF-II Journal of Clinical Investigation, 1991, 87, 1212-1219.	3.9	77
18	Fibroblast Growth Factor Inhibits Insulin-Like Growth Factor-II (IGF-II) Gene Expression and Increases IGF-I Receptor Abundance in BC3H-1 Muscle Cells. Molecular Endocrinology, 1991, 5, 678-684.	3.7	73

#	Article	IF	Citations
19	High Mobility Group A (HMGA) proteins: Molecular instigators of breast cancer onset and progression. Biochimica Et Biophysica Acta: Reviews on Cancer, 2018, 1869, 216-229.	3.3	72
20	Prevalence and predictors of postpartum glucose intolerance in Italian women with gestational diabetes mellitus. Diabetes Research and Clinical Practice, 2014, 105, 223-230.	1.1	63
21	Early Effects of a Hypocaloric, Mediterranean Diet on Laboratory Parameters in Obese Individuals. Mediators of Inflammation, 2014, 2014, 1-8.	1.4	62
22	The insulin receptor: a new anticancer target for peroxisome proliferator-activated receptor-Â (PPARÂ) and thiazolidinedione-PPARÂ agonists. Endocrine-Related Cancer, 2008, 15, 325-335.	1.6	59
23	Insulin receptor monoclonal antibodies that mimic insulin action without activating tyrosine kinase. Journal of Biological Chemistry, 1989, 264, 2438-44.	1.6	59
24	Chronic hyperglycemia impairs insulin secretion by affecting insulin receptor expression, splicing, and signaling in RIN βâ€cell line and human islets of Langerhans. FASEB Journal, 2003, 17, 1340-1342.	0.2	58
25	Defects in Insulin-Receptor Internalization and Processing in Monocytes of Obese Subjects and Obese NIDDM Patients. Diabetes, 1989, 38, 1579-1584.	0.3	56
26	Regulating Insulin-Receptor-Gene Expression by Differentiation and Hormones. Diabetes Care, 1990, 13, 288-301.	4.3	55
27	Obesity-related hypoxia via miR-128 decreases insulin-receptor expression in human and mouse adipose tissue promoting systemic insulin resistance. EBioMedicine, 2020, 59, 102912.	2.7	52
28	Glucose biosensors in clinical practice: principles, limits and perspectives of currently used devices. Theranostics, 2022, 12, 493-511.	4.6	52
29	Influence of Chitosan Glutamate on the in vivo Intranasal Absorption of Rokitamycin from Microspheres. Journal of Pharmaceutical Sciences, 2011, 100, 1488-1502.	1.6	51
30	A polymorphism of HMGA1 is associated with increased risk of metabolic syndrome and related components. Scientific Reports, 2013, 3, 1491.	1.6	51
31	Muscle cell differentiation is associated with increased insulin receptor biosynthesis and messenger RNA levels Journal of Clinical Investigation, 1989, 83, 192-198.	3.9	51
32	HMGA1 is a novel downstream nuclear target of the insulin receptor signaling pathway. Scientific Reports, 2012, 2, 251.	1.6	50
33	Activator Protein-2 Overexpression Accounts for Increased Insulin Receptor Expression in Human Breast Cancer. Cancer Research, 2006, 66, 5085-5093.	0.4	47
34	The cAMP-HMGA1-RBP4 system: a novel biochemical pathway for modulating glucose homeostasis. BMC Biology, 2009, 7, 24.	1.7	47
35	Potential Benefits and Harms of Novel Antidiabetic Drugs During COVID-19 Crisis. International Journal of Environmental Research and Public Health, 2020, 17, 3664.	1.2	47
36	Insulin Resistance and Cancer: In Search for a Causal Link. International Journal of Molecular Sciences, 2021, 22, 11137.	1.8	46

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37	Evidence That an <i>HMGA1</i> Gene Variant Associates with Type 2 Diabetes, Body Mass Index, and High-Density Lipoprotein Cholesterol in a Hispanic-American Population. Metabolic Syndrome and Related Disorders, 2014, 12, 25-30.	0.5	45
38	Gestational diabetes: Implications for fetal growth, intervention timing, and treatment options. Current Opinion in Pharmacology, 2021, 60, 1-10.	1.7	44
39	Insulin and osteocalcin: further evidence for a mutual cross-talk. Endocrine, 2018, 59, 622-632.	1.1	43
40	Effects of Oleacein on High-Fat Diet-Dependent Steatosis, Weight Gain, and Insulin Resistance in Mice. Frontiers in Endocrinology, 2018, 9, 116.	1.5	42
41	Brain-Behavior-Immune Interaction: Serum Cytokines and Growth Factors in Patients with Eating Disorders at Extremes of the Body Mass Index (BMI) Spectrum. Nutrients, 2019, 11, 1995.	1.7	42
42	The HMGA1-IGF-I/IGFBP System: A Novel Pathway for Modulating Glucose Uptake. Molecular Endocrinology, 2012, 26, 1578-1589.	3.7	41
43	Cooperation between HMGA1, PDX-1, and MafA is Essential for Glucose-Induced Insulin Transcription in Pancreatic Beta Cells. Frontiers in Endocrinology, 2014, 5, 237.	1.5	41
44	Postpartum glucose intolerance: an updated overview. Endocrine, 2018, 59, 481-494.	1.1	41
45	Transcriptional Regulation of Glucose Metabolism: The Emerging Role of the HMGA1 Chromatin Factor. Frontiers in Endocrinology, 2018, 9, 357.	1.5	40
46	Transcriptional activity of the murine retinol-binding protein gene is regulated by a multiprotein complex containing HMGA1, p54nrb/NonO, protein-associated splicing factor (PSF) and steroidogenic factor 1 (SF1)/liver receptor homologue 1 (LRH-1). International Journal of Biochemistry and Cell Biology, 2009, 41, 2189-2203.	1.2	39
47	Identification of unique nuclear regulatory proteins for the insulin receptor gene, which appear during myocyte and adipocyte differentiation Journal of Clinical Investigation, 1993, 92, 1288-1295.	3.9	39
48	Insulin down-regulates insulin receptor number and up-regulates insulin receptor affinity in cells expressing a tyrosine kinase-defective insulin receptor Journal of Biological Chemistry, 1990, 265, 4902-4907.	1.6	38
49	Long-Term Effectiveness of Liraglutide for Weight Management and Glycemic Control in Type 2 Diabetes. International Journal of Environmental Research and Public Health, 2020, 17, 207.	1.2	37
50	A polymorphism of HMGA1 protects against proliferative diabetic retinopathy by impairing HMGA1-induced VEGFA expression. Scientific Reports, 2016, 6, 39429.	1.6	36
51	MicroRNA-1281 as a Novel Circulating Biomarker in Patients With Diabetic Retinopathy. Frontiers in Endocrinology, 2020, 11, 528.	1.5	35
52	Human diabetes associated with defects in nuclear regulatory proteins for the insulin receptor gene Journal of Clinical Investigation, 1996, 97, 258-262.	3.9	35
53	Improvement With Metformin in Insulin Internalizaron and Processing in Monocytes From NIDDM Patients. Diabetes, 1990, 39, 844-849.	0.3	34
54	Endocytosis, Recycling, and Degradation of the Insulin Receptor. Journal of Biological Chemistry, 1989, 264, 5041-5046.	1.6	34

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55	HMGA1 is a novel candidate gene for myocardial infarction susceptibility. International Journal of Cardiology, 2017, 227, 331-334.	0.8	33
56	The role of hormonal, metabolic and inflammatory biomarkers on sleep and appetite in drug free patients with major depression: A systematic review. Journal of Affective Disorders, 2019, 250, 249-259.	2.0	33
57	Indole and 2,4-Thiazolidinedione conjugates as potential anticancer modulators. PeerJ, 2018, 6, e5386.	0.9	32
58	Gestational diabetes and fetal overgrowth: time to rethink screening guidelines. Lancet Diabetes and Endocrinology,the, 2020, 8, 561-562.	5.5	32
59	Long-Term Effectiveness and Safety of SGLT-2 Inhibitors in an Italian Cohort of Patients with Type 2 Diabetes Mellitus. Journal of Diabetes Research, 2019, 2019, 1-8.	1.0	31
60	Editorial: "Linking Hypoxia to Obesity― Frontiers in Endocrinology, 2017, 8, 34.	1.5	30
61	Gestational Diabetes Mellitus: Screening and Outcomes in Southern Italian Pregnant Women. Isrn Endocrinology, 2013, 2013, 1-8.	2.0	29
62	Cooperation between HMGA1 and HIF-1 Contributes to Hypoxia-Induced VEGF and Visfatin Gene Expression in 3T3-L1 Adipocytes. Frontiers in Endocrinology, 2016, 7, 73.	1.5	29
63	Laboratory Parameters of Hemostasis, Adhesion Molecules, and Inflammation in Type 2 Diabetes Mellitus: Correlation with Glycemic Control. International Journal of Environmental Research and Public Health, 2020, 17, 300.	1.2	29
64	Endocytosis, recycling, and degradation of the insulin receptor. Studies with monoclonal antireceptor antibodies that do not activate receptor kinase. Journal of Biological Chemistry, 1989, 264, 5041-6.	1.6	29
65	Impact of Seasonality on Gestational Diabetes Mellitus. Endocrine, Metabolic and Immune Disorders - Drug Targets, 2017, 17, 246-252.	0.6	28
66	Transmembrane signalling by insulin via an insulin receptor mutated at tyrosines 1158, 1162, and 1163. Biochemical and Biophysical Research Communications, 1991, 179, 912-918.	1.0	26
67	Appropriate Timing of Gestational Diabetes Mellitus Diagnosis in Medium- and Low-Risk Women: Effectiveness of the Italian NHS Recommendations in Preventing Fetal Macrosomia. Journal of Diabetes Research, 2020, 2020, 1-8.	1.0	26
68	Insulin down-regulates insulin receptor number and up-regulates insulin receptor affinity in cells expressing a tyrosine kinase-defective insulin receptor. Journal of Biological Chemistry, 1990, 265, 4902-7.	1.6	26
69	Direct effects of biguanides on glucose utilization in vitro. Metabolism: Clinical and Experimental, 1987, 36, 774-776.	1.5	25
70	First Trimester Combined Test (FTCT) as a Predictor of Gestational Diabetes Mellitus. International Journal of Environmental Research and Public Health, 2019, 16, 3654.	1.2	24
71	Human insulin receptor radioimmunoassay: applicability to insulin-resistant states. American Journal of Physiology - Endocrinology and Metabolism, 1989, 257, E451-E457.	1.8	23
72	Oleacein Prevents High Fat Diet-Induced A Diposity and Ameliorates Some Biochemical Parameters of Insulin Sensitivity in Mice. Nutrients, 2019, 11, 1829.	1.7	23

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73	Intracellular Insulin Processing Is Altered in Monocytes from Patients with Type II Diabetes Mellitus. Journal of Clinical Endocrinology and Metabolism, 1987, 64, 914-920.	1.8	22
74	A new predictive tool for the early risk assessment of gestational diabetes mellitus. Primary Care Diabetes, 2016, 10, 315-323.	0.9	22
75	Clinical Effectiveness and Safety of Once-Weekly GLP-1 Receptor Agonist Dulaglutide as Add-On to Metformin or Metformin Plus Insulin Secretagogues in Obesity and Type 2 Diabetes. Journal of Clinical Medicine, 2021, 10, 985.	1.0	22
76	The correct renal function evaluation in patients with thyroid dysfunction. Journal of Endocrinological Investigation, 2016, 39, 495-507.	1.8	21
77	The 3′,5′-Cyclic Adenosine Monophosphate Response Element Binding Protein (CREB) Is Functionally Reduced in Human Toxic Thyroid Adenomas1. Endocrinology, 2000, 141, 722-730.	1.4	20
78	Expression of matrix metalloproteinase-11 is increased under conditions of insulin resistance. World Journal of Diabetes, 2017, 8, 422.	1.3	20
79	Differential Effects of Fibroblast Growth Factor on Insulin Receptor and Muscle Specific Protein Gene Expression in BC3H-1 Myocytes. Molecular Endocrinology, 1990, 4, 880-885.	3.7	18
80	HMGA1 is a novel transcriptional regulator of the FoxO1 gene. Endocrine, 2018, 60, 56-64.	1.1	18
81	The Association between HMGA1 rs146052672 Variant and Type 2 Diabetes: A Transethnic Meta-Analysis. PLoS ONE, 2015, 10, e0136077.	1.1	17
82	Monoclonal antibodies to the human insulin receptor mimic a spectrum of biological effects in transfected fibroblasts without activating receptor kinase. Biochemical and Biophysical Research Communications, 1989, 165, 212-218.	1.0	16
83	Predictors of Postpartum Glucose Tolerance Testing in Italian Women with Gestational Diabetes Mellitus. Isrn Endocrinology, 2013, 2013, 1-6.	2.0	16
84	A novel mechanism of post-translational modulation of HMGA functions by the histone chaperone nucleophosmin. Scientific Reports, 2015, 5, 8552.	1.6	16
85	Erectile Dysfunction after Kidney Transplantation. Journal of Clinical Medicine, 2020, 9, 1991.	1.0	16
86	Add-On Treatment with Liraglutide Improves Glycemic Control in Patients with Type 2 Diabetes on Metformin Therapy. Diabetes Technology and Therapeutics, 2015, 17, 468-474.	2.4	15
87	Normocaloric Diet Restores Weight Gain and Insulin Sensitivity in Obese Mice. Frontiers in Endocrinology, 2016, 7, 49.	1.5	15
88	Secretome Analysis of Hypoxiaâ€Induced 3T3â€L1 Adipocytes Uncovers Novel Proteins Potentially Involved in Obesity. Proteomics, 2018, 18, e1700260.	1.3	14
89	The Role of Diet on Insulin Sensitivity. Nutrients, 2020, 12, 3042.	1.7	14
90	Functional relationship between high mobility group A1 (HMGA1) protein and insulin-like growth factor-binding protein 3 (IGFBP-3) in human chondrocytes. Arthritis Research and Therapy, 2012, 14, R207.	1.6	12

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91	High-Mobility Group A1 Protein. Circulation Research, 2012, 110, 394-405.	2.0	11
92	Metabolic Alterations Predispose to Seizure Development in High-Fat Diet-Treated Mice: the Role of Metformin. Molecular Neurobiology, 2020, 57, 4778-4789.	1.9	11
93	Growth factor receptor regulation in the Minn-1 leprechaun: Defects in both insulin receptor and epidermal growth factor receptor gene expression. Metabolism: Clinical and Experimental, 1992, 41, 504-509.	1.5	10
94	Barriers to Postpartum Glucose Intolerance Screening in an Italian Population. International Journal of Environmental Research and Public Health, 2018, 15, 2853.	1.2	10
95	Oleuropein Counteracts Both the Proliferation and Migration of Intra- and Extragonadal Seminoma Cells. Nutrients, 2022, 14, 2323.	1.7	10
96	Regulatory Functions of Insulin-like Growth Factor Binding Proteins in Osteoarthritis. International Journal of Immunopathology and Pharmacology, 2011, 24, 55-59.	1.0	9
97	Pharmacogenetics in type 2 diabetes: still a conundrum in clinical practice. Expert Review of Endocrinology and Metabolism, 2017, 12, 155-158.	1.2	9
98	Cross-talk among HMGA1 and FoxO1 in control of nuclear insulin signaling. Scientific Reports, 2018, 8, 8540.	1.6	9
99	Cell-line characterization by infrared-induced pyroelectric effect. Biosensors and Bioelectronics, 2019, 140, 111338.	5.3	9
100	HMGA1 and MMP-11 Are Overexpressed in Human Non-melanoma Skin Cancer. Anticancer Research, 2018, 38, 771-778.	0.5	9
101	Transcriptional Regulation of the HMGA1 Gene by Octamer-Binding Proteins Oct-1 and Oct-2. PLoS ONE, 2013, 8, e83969.	1.1	8
102	Editorial: Hormone Receptors and Breast Cancer. Frontiers in Endocrinology, 2019, 10, 205.	1.5	8
103	Phosphodiesterase Type-5 Inhibitor Tadalafil Modulates Steroid Hormones Signaling in a Prostate Cancer Cell Line. International Journal of Molecular Sciences, 2021, 22, 754.	1.8	8
104	Proinflammatory profile of visceral adipose tissue and oxidative stress in severe obese patients carrying the variant rs4612666 C of NLRP3 gene. Minerva Endocrinology, 2021, 46, 309-316.	0.6	7
105	Regulation of biological functions by an insulin receptor monoclonal antibody in insulin receptor .betasubunit mutants. Biochemistry, 1992, 31, 168-174.	1.2	6
106	Insulin receptor gene expression and insulin resistance. Journal of Endocrinological Investigation, 1995, 18, 398-405.	1.8	6
107	Cystatin C, a Controversial Biomarker in Hypothyroid Patients under Levothyroxine Therapy: THYRenal, a Pilot Cohort Observational Study. Journal of Clinical Medicine, 2020, 9, 2958.	1.0	6
108	Nonsteroidal mineralcorticoid receptor antagonists: Novel therapeutic implication in the management of patients with type 2 diabetes. Current Opinion in Pharmacology, 2021, 60, 216-225.	1.7	6

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109	Plasma or Urine Neutrophil Gelatinase-Associated Lipocalin (NGAL): Which Is Better at Detecting Chronic Kidney Damage in Type 2 Diabetes?. Endocrines, 2022, 3, 175-186.	0.4	6
110	Pyroelectric Sensor for Characterization of Biological Cells. Lecture Notes in Electrical Engineering, 2019, , 223-228.	0.3	5
111	IR-Light induced pyroelectric effect for cell cultures characterization. , 2017, , .		4
112	The Rise and Fall of the Mediterranean Diet and Related Nutrients in Preventing Diabetes. Nutrients, 2022, 14, 379.	1.7	4
113	New Target Genes for the Peroxisome Proliferator-Activated Receptor- <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>l3</mml:mi></mml:math> (PPAR <mml:math) 1-8.<="" 2009.="" activity:="" e="" from="" insulin="" perspectives="" ppar="" receptor.="" research.="" td="" the="" tj=""><td>тоя110</td><td>.784314 rgB</td></mml:math)>	тоя110	.784314 rgB
114	Comment on: Marquez et al. Low-Frequency Variants inHMGA1Are Not Associated With Type 2 Diabetes Risk. Diabetes 2012;61:524–530. Diabetes, 2012, 61, e3-e3.	0.3	3
115	Editorial: Transcriptional Regulation of Glucose Metabolism: Gaps and Controversies. Frontiers in Endocrinology, 2019, 10, 629.	1.5	3
116	Predicting the response to SGLT-2 inhibitors as add-on therapy to multiple day injection insulin with glycated albumin: a pilot study. Minerva Endocrinology, 2022, , .	0.6	3
117	Methods to Study Protein-Binding to Pseudogene Transcripts. Methods in Molecular Biology, 2021, 2324, 187-202.	0.4	2
118	Non-Functional Pituitary Tumors: a Misleading Presentation of an Intrasellar Plasmacytoma. Acta Endocrinologica, 2019, 15, 518-521.	0.1	2
119	Editorial overview: â€ <sup>*</sup> Caring for diabetes in its complexity: From targetable metabolic-organ crosstalk to novel drug interactions'. Current Opinion in Pharmacology, 2022, 63, 102185.	1.7	2
120	Endocrines: A Passion for Endocrinology. Endocrines, 2020, 1, 46-48.	0.4	1
121	A Partial Phenotype of adFNDI Related to the Signal Peptide c.55G>A Variant of the AVP Gene. Endocrines, 2021, 2, 37-43.	0.4	1
122	Pharmacogenetics of type 2 diabetes mellitus: An example of success in clinical and translational medicine. World Journal of Translational Medicine, 2014, 3, 141.	3.5	1
123	Insulin degradation into monocytes from normal subjects: a high performance liquid chromatographic analysis. Journal of Endocrinological Investigation, 1988, 11, 303-307.	1.8	O
124	Long-term diabetic complications in elderly patients with variable levels of HMGA1 expression. BMC Geriatrics, 2010, 10, .	1.1	0
125	Comment on Li et al. HMGA1: A novel predisposing gene for acute myocardial infarction. International Journal of Cardiology, 2018, 256, 38.	0.8	O
126	Postpartum Glucose Intolerance in Gestational Diabetes. , 2018, , 303-315.		0

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127	Autoimmune Hypophysitis with Late Renal Involvement: A Case Report. Endocrines, 2021, 2, 160-166.	0.4	O
128	Insulin Receptor., 2011,, 1874-1876.		0
129	The Camp-HMGA1-RBP4 System. , 2011, , 175-197.		O
130	Individualizing Care in Type 2 Diabetes Mellitus. Journal of Diabetes, Metabolic Disorders & Control, 2014, $1, .$	0.2	0
131	Insulin Receptor., 2017,, 2289-2293.		0