

Pinchas Cohen

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.

206
papers

14,744
citations

64
h-index

115
g-index

214
ext. papers

16,750
ext. citations

6.1
avg, IF

6.39
L-index

#	Paper	IF	Citations
206	Insulin-like growth factor (IGF)-binding protein-3 induces apoptosis and mediates the effects of transforming growth factor-beta1 on programmed cell death through a p53- and IGF-independent mechanism. <i>Journal of Biological Chemistry</i> , 1997 , 272, 12181-8	5.4	539
205	Functionally significant insulin-like growth factor I receptor mutations in centenarians. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 3438-42	11.5	537
204	Low protein intake is associated with a major reduction in IGF-1, cancer, and overall mortality in the 65 and younger but not older population. <i>Cell Metabolism</i> , 2014 , 19, 407-17	24.6	504
203	Growth hormone receptor deficiency is associated with a major reduction in pro-aging signaling, cancer, and diabetes in humans. <i>Science Translational Medicine</i> , 2011 , 3, 70ra13	17.5	498
202	Role of insulin-like growth factors and their binding proteins in growth control and carcinogenesis. <i>Journal of Cellular Physiology</i> , 2000 , 183, 1-9	7	421
201	A Periodic Diet that Mimics Fasting Promotes Multi-System Regeneration, Enhanced Cognitive Performance, and Healthspan. <i>Cell Metabolism</i> , 2015 , 22, 86-99	24.6	418
200	Phenotypic effects of leptin replacement on morbid obesity, diabetes mellitus, hypogonadism, and behavior in leptin-deficient adults. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 4531-6	11.5	390
199	EWS/FLI-1 silencing and gene profiling of Ewing cells reveal downstream oncogenic pathways and a crucial role for repression of insulin-like growth factor binding protein 3. <i>Molecular and Cellular Biology</i> , 2004 , 24, 7275-83	4.8	342
198	The mitochondrial-derived peptide MOTS-c promotes metabolic homeostasis and reduces obesity and insulin resistance. <i>Cell Metabolism</i> , 2015 , 21, 443-54	24.6	312
197	Insulin-like growth factors (IGFs), IGF receptors, and IGF-binding proteins in primary cultures of prostate epithelial cells. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1991 , 73, 401-7	5.6	299
196	Effects of Sex, Strain, and Energy Intake on Hallmarks of Aging in Mice. <i>Cell Metabolism</i> , 2016 , 23, 1093-1112	24.6	245
195	Direct functional interactions between insulin-like growth factor-binding protein-3 and retinoid X receptor-alpha regulate transcriptional signaling and apoptosis. <i>Journal of Biological Chemistry</i> , 2000 , 275, 33607-13	5.4	240
194	Fasting and cancer treatment in humans: A case series report. <i>Aging</i> , 2009 , 1, 988-1007	5.6	228
193	Fasting-mimicking diet and markers/risk factors for aging, diabetes, cancer, and cardiovascular disease. <i>Science Translational Medicine</i> , 2017 , 9,	17.5	226
192	SnoRNA Snord116 (Pwcr1/MBII-85) deletion causes growth deficiency and hyperphagia in mice. <i>PLoS ONE</i> , 2008 , 3, e1709	3.7	218
191	Interaction between the Alzheimer's survival peptide humanin and insulin-like growth factor-binding protein 3 regulates cell survival and apoptosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 13042-7	11.5	212
190	Liver-specific deletion of the growth hormone receptor reveals essential role of growth hormone signaling in hepatic lipid metabolism. <i>Journal of Biological Chemistry</i> , 2009 , 284, 19937-44	5.4	192

189	Update of guidelines for the use of growth hormone in children: the Lawson Wilkins Pediatric Endocrinology Society Drug and Therapeutics Committee. <i>Journal of Pediatrics</i> , 2003 , 143, 415-21	3.6	192
188	Reduced levels of IGF-I mediate differential protection of normal and cancer cells in response to fasting and improve chemotherapeutic index. <i>Cancer Research</i> , 2010 , 70, 1564-72	10.1	187
187	Fasting-Mimicking Diet Promotes Ngn3-Driven β Cell Regeneration to Reverse Diabetes. <i>Cell</i> , 2017 , 168, 775-788.e12	56.2	174
186	The role of the insulin-like growth factor system in prenatal growth. <i>Molecular Genetics and Metabolism</i> , 2005 , 86, 84-90	3.7	174
185	Humanin: a harbinger of mitochondrial-derived peptides?. <i>Trends in Endocrinology and Metabolism</i> , 2013 , 24, 222-8	8.8	169
184	Humanin: a novel central regulator of peripheral insulin action. <i>PLoS ONE</i> , 2009 , 4, e6334	3.7	160
183	The role of the insulin-like growth factor binding proteins and the IGFBP proteases in modulating IGF action. <i>Endocrinology and Metabolism Clinics of North America</i> , 1996 , 25, 591-614	5.5	153
182	Association between the insulin resistance of puberty and the insulin-like growth factor-I/growth hormone axis. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2002 , 87, 4817-20	5.6	144
181	Low insulin-like growth factor-1 level predicts survival in humans with exceptional longevity. <i>Aging Cell</i> , 2014 , 13, 769-71	9.9	140
180	The somatomedin hypothesis 2007: 50 years later. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2007 , 92, 4529-35	5.6	139
179	Effect of altering dietary omega-6/omega-3 fatty acid ratios on prostate cancer membrane composition, cyclooxygenase-2, and prostaglandin E2. <i>Clinical Cancer Research</i> , 2006 , 12, 4662-70	12.9	136
178	Effects of dose and gender on the growth and growth factor response to GH in GH-deficient children: implications for efficacy and safety. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2002 , 87, 90-8	5.6	135
177	The emerging role of the mitochondrial-derived peptide humanin in stress resistance. <i>Journal of Molecular Endocrinology</i> , 2013 , 50, R11-9	4.5	132
176	Naturally occurring mitochondrial-derived peptides are age-dependent regulators of apoptosis, insulin sensitivity, and inflammatory markers. <i>Aging</i> , 2016 , 8, 796-809	5.6	125
175	Insulin growth factor-based dosing of growth hormone therapy in children: a randomized, controlled study. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2007 , 92, 2480-6	5.6	124
174	Does the GH-IGF axis play a role in cancer pathogenesis?. <i>Growth Hormone and IGF Research</i> , 2000 , 10, 297-305	2	123
173	Rapid apoptosis induction by IGFBP-3 involves an insulin-like growth factor-independent nucleomitochondrial translocation of RXRalpha/Nur77. <i>Journal of Biological Chemistry</i> , 2005 , 280, 16942-8	5.4	117
172	Carbohydrate restriction, prostate cancer growth, and the insulin-like growth factor axis. <i>Prostate</i> , 2008 , 68, 11-9	4.2	116

171	Humanin is expressed in human vascular walls and has a cytoprotective effect against oxidized LDL-induced oxidative stress. <i>Cardiovascular Research</i> , 2010 , 88, 360-6	9.9	112
170	Cellular internalization of insulin-like growth factor binding protein-3: distinct endocytic pathways facilitate re-uptake and nuclear localization. <i>Journal of Biological Chemistry</i> , 2004 , 279, 469-76	5.4	109
169	Novel aspects of the insulin-like growth factor binding proteins. <i>Molecular Genetics and Metabolism</i> , 1999 , 68, 161-81	3.7	108
168	Diagnosis and management of growth hormone deficiency in childhood and adolescence. Part 1: diagnosis of growth hormone deficiency. <i>Growth Hormone and IGF Research</i> , 2001 , 11, 137-65	2	107
167	Insulin-like growth factor binding protein-3 inhibits the growth of non-small cell lung cancer. <i>Cancer Research</i> , 2002 , 62, 3530-7	10.1	105
166	Insulin-like growth factor binding proteins: new proteins, new functions. <i>Hormone Research in Paediatrics</i> , 1999 , 51, 53-67	3.3	103
165	The Mitochondrial-Derived Peptide Humanin Protects RPE Cells From Oxidative Stress, Senescence, and Mitochondrial Dysfunction 2016 , 57, 1238-53		99
164	Mitochondrially derived peptides as novel regulators of metabolism. <i>Journal of Physiology</i> , 2017 , 595, 6613-6621	3.9	98
163	The neurosurvival factor Humanin inhibits beta-cell apoptosis via signal transducer and activator of transcription 3 activation and delays and ameliorates diabetes in nonobese diabetic mice. <i>Metabolism: Clinical and Experimental</i> , 2010 , 59, 343-9	12.7	97
162	Effect of diet and exercise on serum insulin, IGF-I, and IGFBP-1 levels and growth of LNCaP cells in vitro (United States). <i>Cancer Causes and Control</i> , 2002 , 13, 929-35	2.8	96
161	Diagnosis, Genetics, and Therapy of Short Stature in Children: A Growth Hormone Research Society International Perspective. <i>Hormone Research in Paediatrics</i> , 2019 , 92, 1-14	3.3	94
160	MOTS-c: A novel mitochondrial-derived peptide regulating muscle and fat metabolism. <i>Free Radical Biology and Medicine</i> , 2016 , 100, 182-187	7.8	86
159	Variable degree of growth hormone (GH) and insulin-like growth factor (IGF) sensitivity in children with idiopathic short stature compared with GH-deficient patients: evidence from an IGF-based dosing study of short children. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2010 , 95, 2089-98	5.6	84
158	Novel stimulatory role for insulin-like growth factor binding protein-2 in prostate cancer cells. <i>International Journal of Cancer</i> , 2003 , 105, 14-9	7.5	83
157	Insulin-like growth factor binding protein (IGFBP) proteases: functional regulators of cell growth. <i>Progress in Growth Factor Research</i> , 1995 , 6, 273-84		82
156	Humanin preserves endothelial function and prevents atherosclerotic plaque progression in hypercholesterolemic ApoE deficient mice. <i>Atherosclerosis</i> , 2011 , 219, 65-73	3.1	81
155	Serum complexes of insulin-like growth factor-1 modulate skeletal integrity and carbohydrate metabolism. <i>FASEB Journal</i> , 2009 , 23, 709-19	0.9	81
154	The effects of varying dietary carbohydrate and fat content on survival in a murine LNCaP prostate cancer xenograft model. <i>Cancer Prevention Research</i> , 2009 , 2, 557-65	3.2	79

153	Pomegranate extract induces apoptosis in human prostate cancer cells by modulation of the IGF-IGFBP axis. <i>Growth Hormone and IGF Research</i> , 2010 , 20, 55-62	2	78
152	MITOCHONDRIAL SYSTEM BIOLOGY AS A WINDOW INTO DISEASES OF AGING. <i>Innovation in Aging</i> , 2019 , 3, S555-S555	0.1	78
151	A functional genomics approach for the identification of putative tumor suppressor genes: Dickkopf-1 as suppressor of HeLa cell transformation. <i>Carcinogenesis</i> , 2004 , 25, 47-59	4.6	74
150	The ternary IGF complex influences postnatal bone acquisition and the skeletal response to intermittent parathyroid hormone. <i>Journal of Endocrinology</i> , 2006 , 189, 289-99	4.7	73
149	Rapid insulin-like growth factor (IGF)-independent effects of IGF binding protein-3 on endothelial cell survival. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2003 , 88, 900-7	5.6	71
148	All-trans-retinoic acid increases transforming growth factor-beta2 and insulin-like growth factor binding protein-3 expression through a retinoic acid receptor-alpha-dependent signaling pathway. <i>Journal of Biological Chemistry</i> , 1997 , 272, 13711-6	5.4	70
147	Effect of low-fat diet on development of prostate cancer and Akt phosphorylation in the Hi-Myc transgenic mouse model. <i>Cancer Research</i> , 2008 , 68, 3066-73	10.1	69
146	IGFBP-3 is a metastasis suppression gene in prostate cancer. <i>Cancer Research</i> , 2011 , 71, 5154-63	10.1	68
145	Growth Hormone Research Society perspective on the development of long-acting growth hormone preparations. <i>European Journal of Endocrinology</i> , 2016 , 174, C1-8	6.5	67
144	Insulin and insulin-like growth factor-I cause coronary vasorelaxation in vitro. <i>Hypertension</i> , 1998 , 32, 228-34	8.5	66
143	Dietary feeding of silibinin inhibits prostate tumor growth and progression in transgenic adenocarcinoma of the mouse prostate model. <i>Cancer Research</i> , 2007 , 67, 11083-91	10.1	64
142	Insulin-like growth factor binding protein-6 activates programmed cell death in non-small cell lung cancer cells. <i>Oncogene</i> , 2000 , 19, 4432-6	9.2	64
141	Gentamicin pharmacokinetics in neonates undergoing extracorporeal membrane oxygenation. <i>Pediatric Infectious Disease Journal</i> , 1990 , 9, 562-6	3.4	64
140	Mitochondrial peptides modulate mitochondrial function during cellular senescence. <i>Aging</i> , 2018 , 10, 1239-1256	5.6	64
139	Central and opposing effects of IGF-I and IGF-binding protein-3 on systemic insulin action. <i>Diabetes</i> , 2006 , 55, 2788-96	0.9	63
138	Elevated levels of the IGF-binding protein protease MMP-1 in asthmatic airway smooth muscle. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 1999 , 20, 199-208	5.7	62
137	Growth regulation of prostatic stromal cells by prostate-specific antigen. <i>Journal of the National Cancer Institute</i> , 1999 , 91, 1663-9	9.7	61
136	Insulin-like growth factor binding protein-1 levels in the diagnosis of hypoglycemia caused by hyperinsulinism. <i>Journal of Pediatrics</i> , 1997 , 131, 193-9	3.6	58

135	IGFBP-3 mediates TGF-beta1-induced cell growth in human airway smooth muscle cells. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2000 , 278, L545-51	5.8	58
134	Effect of isocaloric low-fat diet on human LAPC-4 prostate cancer xenografts in severe combined immunodeficient mice and the insulin-like growth factor axis. <i>Clinical Cancer Research</i> , 2003 , 9, 2734-43	12.9	58
133	Late-life targeting of the IGF-1 receptor improves healthspan and lifespan in female mice. <i>Nature Communications</i> , 2018 , 9, 2394	17.4	57
132	Hypothalamic-Pituitary Axis Regulates Hydrogen Sulfide Production. <i>Cell Metabolism</i> , 2017 , 25, 1320-1333	14.65	56
131	Control of aging and longevity by IGF-I signaling. <i>Experimental Gerontology</i> , 2005 , 40, 867-72	4.5	55
130	IGF-I regulates the age-dependent signaling peptide humanin. <i>Aging Cell</i> , 2014 , 13, 958-61	9.9	53
129	Phase II prospective randomized trial of a low-fat diet with fish oil supplementation in men undergoing radical prostatectomy. <i>Cancer Prevention Research</i> , 2011 , 4, 2062-71	3.2	53
128	Protein restriction cycles reduce IGF-1 and phosphorylated Tau, and improve behavioral performance in an Alzheimer's disease mouse model. <i>Aging Cell</i> , 2013 , 12, 257-68	9.9	52
127	Status of long-acting-growth hormone preparations--2015. <i>Growth Hormone and IGF Research</i> , 2015 , 25, 201-6	2	51
126	Long-term surveillance of growth hormone therapy. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2012 , 97, 68-72	5.6	50
125	The mitochondrial-derived peptide humanin activates the ERK1/2, AKT, and STAT3 signaling pathways and has age-dependent signaling differences in the hippocampus. <i>Oncotarget</i> , 2016 , 7, 46899-46912	3.2	50
124	The Oxygen Paradox, the French Paradox, and age-related diseases. <i>GeroScience</i> , 2017 , 39, 499-550	8.9	48
123	Humanin prevents intra-renal microvascular remodeling and inflammation in hypercholesterolemic ApoE deficient mice. <i>Life Sciences</i> , 2012 , 91, 199-206	6.8	48
122	Opposing roles of insulin-like growth factor binding protein 3 and humanin in the regulation of testicular germ cell apoptosis. <i>Endocrinology</i> , 2010 , 151, 350-7	4.8	48
121	Insulin-like growth factor I stimulates telomerase activity in prostate cancer cells. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2003 , 88, 3354-9	5.6	48
120	p53-Dependent and p53-independent induction of insulin-like growth factor binding protein-3 by deoxyribonucleic acid damage and hypoxia. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2005 , 90, 3568-74	5.6	48
119	Humanin G (HNG) protects age-related macular degeneration (AMD) transmitochondrial ARPE-19 cybrids from mitochondrial and cellular damage. <i>Cell Death and Disease</i> , 2017 , 8, e2951	9.8	46
118	Targeted deletion of hepatic Igf1 in TRAMP mice leads to dramatic alterations in the circulating insulin-like growth factor axis but does not reduce tumor progression. <i>Cancer Research</i> , 2008 , 68, 3342-9	10.1	46

117	Insulin-like growth factor binding protein 3 as an anticancer molecule in Ewing's sarcoma. <i>International Journal of Cancer</i> , 2006 , 119, 1039-46	7.5	46
116	Insulin and insulin-like growth factor-I cause vasorelaxation in human vessels in vitro. <i>Coronary Artery Disease</i> , 2000 , 11, 69-76	1.4	46
115	Inflammation-related neutrophil proteases, cathepsin G and elastase, function as insulin-like growth factor binding protein proteases. <i>Growth Hormone and IGF Research</i> , 1999 , 9, 241-53	2	46
114	Insulin-like growth factor binding protein-3 induces insulin resistance in adipocytes in vitro and in rats in vivo. <i>Pediatric Research</i> , 2007 , 61, 159-64	3.2	45
113	Effects of air pollution on mitochondrial function, mitochondrial DNA methylation, and mitochondrial peptide expression. <i>Mitochondrion</i> , 2019 , 46, 22-29	4.9	44
112	Identification of insulin-like growth factor binding protein-3 as a farnesyl transferase inhibitor SCH66336-induced negative regulator of angiogenesis in head and neck squamous cell carcinoma. <i>Clinical Cancer Research</i> , 2006 , 12, 653-61	12.9	44
111	Chemoprevention of prostate cancer with lycopene in the TRAMP model. <i>Prostate</i> , 2010 , 70, 1547-54	4.2	43
110	Combination therapy of insulin-like growth factor binding protein-3 and retinoid X receptor ligands synergize on prostate cancer cell apoptosis in vitro and in vivo. <i>Clinical Cancer Research</i> , 2005 , 11, 4851-61 ^{12.9}	12.9	42
109	Anti-apoptotic factor humanin is expressed in the testis and prevents cell-death in leydig cells during the first wave of spermatogenesis. <i>Journal of Cellular Physiology</i> , 2006 , 208, 373-85	7	41
108	Growth hormone therapy improves bone mineral density in children with cerebral palsy: a preliminary pilot study. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2007 , 92, 932-7	5.6	41
107	Effect of Dietary Omega-3 Fatty Acids on Tumor-Associated Macrophages and Prostate Cancer Progression. <i>Prostate</i> , 2016 , 76, 1293-302	4.2	40
106	A mechanism to explain how regular exercise might reduce the risk for clinical prostate cancer. <i>European Journal of Cancer Prevention</i> , 2007 , 16, 415-21	2	40
105	Phosphorylation by DNA-dependent protein kinase is critical for apoptosis induction by insulin-like growth factor binding protein-3. <i>Cancer Research</i> , 2006 , 66, 10878-84	10.1	39
104	Contribution of the orphan nuclear receptor Nur77 to the apoptotic action of IGFBP-3. <i>Carcinogenesis</i> , 2007 , 28, 1653-8	4.6	39
103	Humanin, a cytoprotective peptide, is expressed in carotid atherosclerotic [corrected] plaques in humans. <i>PLoS ONE</i> , 2012 , 7, e31065	3.7	39
102	The GH receptor exon 3 deletion is a marker of male-specific exceptional longevity associated with increased GH sensitivity and taller stature. <i>Science Advances</i> , 2017 , 3, e1602025	14.3	38
101	Downregulation of circulating MOTS-c levels in patients with coronary endothelial dysfunction. <i>International Journal of Cardiology</i> , 2018 , 254, 23-27	3.2	38
100	Diagnosis and management of growth hormone deficiency in childhood and adolescence--part 2: growth hormone treatment in growth hormone deficient children. <i>Growth Hormone and IGF Research</i> , 2002 , 12, 323-41	2	38

99	Correlation between insulin clearance and insulin responsiveness: studies in normal, obese, hyperthyroid, and Cushing's syndrome patients. <i>Metabolism: Clinical and Experimental</i> , 1986 , 35, 744-9	12.7	38
98	Humanin Prevents Age-Related Cognitive Decline in Mice and is Associated with Improved Cognitive Age in Humans. <i>Scientific Reports</i> , 2018 , 8, 14212	4.9	38
97	Pharmacokinetics and tissue distribution of humanin and its analogues in male rodents. <i>Endocrinology</i> , 2013 , 154, 3739-44	4.8	37
96	Effect of intermittent fasting with or without caloric restriction on prostate cancer growth and survival in SCID mice. <i>Prostate</i> , 2010 , 70, 1037-43	4.2	36
95	Type I alpha collagen is an IGFBP-3 binding protein. <i>Growth Hormone and IGF Research</i> , 2003 , 13, 89-97	2	35
94	Chronic treatment with the mitochondrial peptide humanin prevents age-related myocardial fibrosis in mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018 , 315, H1127-H1136	5.2	34
93	Controversy in clinical endocrinology: problems with reclassification of insulin-like growth factor I production and action disorders. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2006 , 91, 4235-6	5.6	34
92	Insulin-like growth factor binding protein-3: insulin-like growth factor independence comes of age. <i>Endocrinology</i> , 2006 , 147, 2109-11	4.8	33
91	Characterizing the protective effects of SHLP2, a mitochondrial-derived peptide, in macular degeneration. <i>Scientific Reports</i> , 2018 , 8, 15175	4.9	32
90	MOTS-c is an exercise-induced mitochondrial-encoded regulator of age-dependent physical decline and muscle homeostasis. <i>Nature Communications</i> , 2021 , 12, 470	17.4	32
89	The "two bag system" for variable intravenous dextrose and fluid administration: benefits in diabetic ketoacidosis management. <i>Journal of Pediatrics</i> , 1999 , 134, 376-8	3.6	30
88	Insulin-like growth factors (IGFs): implications for aging. <i>Psychoneuroendocrinology</i> , 1992 , 17, 335-42	5	30
87	The Mitochondrial-Derived Peptides, HumaninS14G and Small Humanin-like Peptide 2, Exhibit Chaperone-like Activity. <i>Scientific Reports</i> , 2017 , 7, 7802	4.9	29
86	Central insulin-like growth factor-1 (IGF-1) restores whole-body insulin action in a model of age-related insulin resistance and IGF-1 decline. <i>Aging Cell</i> , 2016 , 15, 181-6	9.9	29
85	PAPA-1 Is a nuclear binding partner of IGFBP-2 and modulates its growth-promoting actions. <i>Molecular Endocrinology</i> , 2009 , 23, 169-75		29
84	Humanin Protects RPE Cells from Endoplasmic Reticulum Stress-Induced Apoptosis by Upregulation of Mitochondrial Glutathione. <i>PLoS ONE</i> , 2016 , 11, e0165150	3.7	29
83	Growth hormone therapy in children; research and practice - A review. <i>Growth Hormone and IGF Research</i> , 2019 , 44, 20-32	2	29
82	Rat Humanin is encoded and translated in mitochondria and is localized to the mitochondrial compartment where it regulates ROS production. <i>Molecular and Cellular Endocrinology</i> , 2015 , 413, 96-100	4.4	27

81	Insulin-like growth factor binding protein-6 inhibits the growth of human bronchial epithelial cells and increases in abundance with all-trans-retinoic acid treatment. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2000 , 23, 297-303	5.7	27
80	Physiologic and clinical relevance of the insulin-like growth factor binding proteins. <i>Current Opinion in Pediatrics</i> , 1994 , 6, 462-7	3.2	27
79	Metabolomic profile of diet-induced obesity mice in response to humanin and small humanin-like peptide 2 treatment. <i>Metabolomics</i> , 2019 , 15, 88	4.7	26
78	The Potent Humanin Analogue (HNG) Protects Germ Cells and Leucocytes While Enhancing Chemotherapy-Induced Suppression of Cancer Metastases in Male Mice. <i>Endocrinology</i> , 2015 , 156, 4511-21	4.8	26
77	The effects of humanin and its analogues on male germ cell apoptosis induced by chemotherapeutic drugs. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2015 , 20, 551-61	5.4	26
76	Dose-sparing and safety-enhancing effects of an IGF-I-based dosing regimen in short children treated with growth hormone in a 2-year randomized controlled trial: therapeutic and pharmacoeconomic considerations. <i>Clinical Endocrinology</i> , 2014 , 81, 71-6	3.4	26
75	Acid-activated insulin-like growth factor binding protein protease activity of cathepsin D in normal and malignant prostatic epithelial cells and seminal plasma. <i>Journal of Cellular Physiology</i> , 1997 , 171, 196-204	7	26
74	The mitochondrial derived peptide humanin is a regulator of lifespan and healthspan. <i>Aging</i> , 2020 , 12, 11185-11199	5.6	26
73	Resveratrol worsens survival in SCID mice with prostate cancer xenografts in a cell-line specific manner, through paradoxical effects on oncogenic pathways. <i>Prostate</i> , 2013 , 73, 754-62	4.2	25
72	IGFBP-3 nuclear localization predicts human prostate cancer recurrence. <i>Hormones and Cancer</i> , 2013 , 4, 12-23	5	25
71	Interaction of insulin-like growth factor-binding protein-3 and BAX in mitochondria promotes male germ cell apoptosis. <i>Journal of Biological Chemistry</i> , 2010 , 285, 1726-32	5.4	25
70	Quantitative ontogeny of murine insulin-like growth factor (IGF)-I, IGF-binding protein-3 and the IGF-related acid-labile subunit. <i>Growth Hormone and IGF Research</i> , 2008 , 18, 65-74	2	25
69	Effect of a low-fat fish oil diet on proinflammatory eicosanoids and cell-cycle progression score in men undergoing radical prostatectomy. <i>Cancer Prevention Research</i> , 2014 , 7, 97-104	3.2	24
68	Mitochondrial DNA Hypomethylation Is a Biomarker Associated with Induced Senescence in Human Fetal Heart Mesenchymal Stem Cells. <i>Stem Cells International</i> , 2017 , 2017, 1764549	5	24
67	The role of insulin-like growth factor I monitoring in growth hormone-treated children. <i>Hormone Research in Paediatrics</i> , 2004 , 62 Suppl 1, 59-65	3.3	24
66	Allelic differences in a quantitative trait locus affecting insulin-like growth factor-I impact skeletal acquisition and body composition. <i>Pediatric Nephrology</i> , 2005 , 20, 255-60	3.2	24
65	Attenuated in vitro coronary arteriolar vasorelaxation to insulin-like growth factor I in experimental hypercholesterolemia. <i>Hypertension</i> , 1999 , 34, 89-95	8.5	24
64	Homeostatic imbalance between apoptosis and cell renewal in the liver of premature aging Xpd mice. <i>PLoS ONE</i> , 2008 , 3, e2346	3.7	24

63	Nuclear-Encoded lncRNA Epigenetically Controls Metabolic Reprogramming in HCC Cells through the Mitophagy Pathway. <i>Molecular Therapy - Nucleic Acids</i> , 2021 , 23, 264-276	10.7	23
62	Host mitochondrial transcriptome response to SARS-CoV-2 in multiple cell models and clinical samples. <i>Scientific Reports</i> , 2021 , 11, 3	4.9	23
61	Effects of calorie restriction and IGF-1 receptor blockade on the progression of 22Rv1 prostate cancer xenografts. <i>International Journal of Molecular Sciences</i> , 2013 , 14, 13782-95	6.3	21
60	The mitochondrial-derived peptide MOTS-c is a regulator of plasma metabolites and enhances insulin sensitivity. <i>Physiological Reports</i> , 2019 , 7, e14171	2.6	20
59	How useful are serum IGF-I measurements for managing GH replacement therapy in adults and children?. <i>Pituitary</i> , 2012 , 15, 126-34	4.3	20
58	Response of the insulin-like growth factor (IGF) system to IGF-IR inhibition and androgen deprivation in a neoadjuvant prostate cancer trial: effects of obesity and androgen deprivation. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2013 , 98, E820-8	5.6	20
57	Insulin-like growth factor binding protein 5 is associated with involution of the ventral prostate in castrated and finasteride-treated rats. <i>Prostate</i> , 1998 , 35, 273-8	4.2	20
56	Lower circulating insulin-like growth factor-I is associated with better cognition in females with exceptional longevity without compromise to muscle mass and function. <i>Aging</i> , 2016 , 8, 2414-2424	5.6	20
55	Humanin is a novel regulator of Hedgehog signaling and prevents glucocorticoid-induced bone growth impairment. <i>FASEB Journal</i> , 2019 , 33, 4962-4974	0.9	20
54	Phase II prospective randomized trial of weight loss prior to radical prostatectomy. <i>Prostate Cancer and Prostatic Diseases</i> , 2018 , 21, 212-220	6.2	20
53	Efficacy of IGF-based growth hormone (GH) dosing in nonGH-deficient (nonGHD) short stature children with low IGF-I is not related to basal IGF-I levels. <i>Clinical Endocrinology</i> , 2013 , 78, 405-14	3.4	19
52	Prostatic involution in men taking finasteride is associated with elevated levels of insulin-like growth factor-binding proteins (IGFBPs)-2, -4, and -5. <i>Prostate</i> , 2000 , 42, 203-10	4.2	19
51	Insulin effects on glucose and potassium metabolism in vivo: evidence for selective insulin resistance in humans. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1991 , 73, 564-8	5.6	19
50	Low circulating levels of the mitochondrial-peptide hormone SHLP2: novel biomarker for prostate cancer risk. <i>Oncotarget</i> , 2017 , 8, 94900-94909	3.3	19
49	Peptides derived from small mitochondrial open reading frames: Genomic, biological, and therapeutic implications. <i>Experimental Cell Research</i> , 2020 , 393, 112056	4.2	18
48	Non-islet-cell tumor associated with hypoglycemia in a child: successful long-term therapy with growth hormone. <i>Journal of Pediatrics</i> , 1995 , 127, 403-7	3.6	17
47	Hormonal regulation of IGFBP-2 proteolysis is attenuated with progression to androgen insensitivity in the LNCaP progression model. <i>Journal of Cellular Physiology</i> , 2007 , 213, 261-8	7	16
46	Enhancing the apoptotic potential of insulin-like growth factor-binding protein-3 in prostate cancer by modulation of CK2 phosphorylation. <i>Molecular Endocrinology</i> , 2009 , 23, 1624-33		14

45	Role of Host GPR120 in Mediating Dietary Omega-3 Fatty Acid Inhibition of Prostate Cancer. <i>Journal of the National Cancer Institute</i> , 2019 , 111, 52-59	9.7	14
44	High-intensity interval exercise increases humanin, a mitochondrial encoded peptide, in the plasma and muscle of men. <i>Journal of Applied Physiology</i> , 2020 , 128, 1346-1354	3.7	14
43	Comparing the Utility of Mitochondrial and Nuclear DNA to Adjust for Genetic Ancestry in Association Studies. <i>Cells</i> , 2019 , 8,	7.9	12
42	Effect of a low-fat diet combined with IGF-1 receptor blockade on 22Rv1 prostate cancer xenografts. <i>Molecular Cancer Therapeutics</i> , 2012 , 11, 1539-46	6.1	12
41	Insulin resistance and acanthosis nigricans: evidence for a postbinding defect in vivo. <i>Metabolism: Clinical and Experimental</i> , 1990 , 39, 1006-11	12.7	12
40	Lack of suppression of insulin secretion by hyperinsulinemia in a patient with an insulinoma. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1986 , 63, 1411-3	5.6	12
39	Increased expression of the mitochondrial derived peptide, MOTS-c, in skeletal muscle of healthy aging men is associated with myofiber composition. <i>Aging</i> , 2020 , 12, 5244-5258	5.6	12
38	Mitochondrial biology and prostate cancer ethnic disparity. <i>Carcinogenesis</i> , 2018 , 39, 1311-1319	4.6	12
37	Insulin-like growth factor (IGF)-I and IGF-II contribute differentially to the phenotype of pregnancy associated plasma protein-A knock-out mice. <i>Growth Hormone and IGF Research</i> , 2011 , 21, 243-7	2	11
36	Insulin-like growth factor binding protein-3 is a novel mediator of apoptosis in insulin-secreting cells. <i>Growth Hormone and IGF Research</i> , 2004 , 14, 216-25	2	11
35	Insulin-like growth factor binding protein-3 protease activity in the urine of children with chronic renal failure. <i>Pediatric Nephrology</i> , 1993 , 7, 416-23	3.2	11
34	Effect of dietary omega-3 fatty acids on castrate-resistant prostate cancer and tumor-associated macrophages. <i>Prostate Cancer and Prostatic Diseases</i> , 2020 , 23, 127-135	6.2	11
33	A pro-diabetogenic mtDNA polymorphism in the mitochondrial-derived peptide, MOTS-c. <i>Aging</i> , 2021 , 13, 1692-1717	5.6	10
32	MOTS-c: an equal opportunity insulin sensitizer. <i>Journal of Molecular Medicine</i> , 2019 , 97, 487-490	5.5	9
31	Spinal bone mineral density, IGF-1 and IGFBP-3 in children with cerebral palsy. <i>Hormone Research in Paediatrics</i> , 2007 , 68, 316-20	3.3	9
30	Is treatment with growth hormone effective in children with cerebral palsy?. <i>Developmental Medicine and Child Neurology</i> , 2004 , 46, 569-71	3.3	9
29	Effects of Prolonged GRP78 Haploinsufficiency on Organ Homeostasis, Behavior, Cancer and Chemotoxic Resistance in Aged Mice. <i>Scientific Reports</i> , 2017 , 7, 40919	4.9	8
28	Growth hormone receptor (GHR) exon 3 polymorphism status detection by dual-enzyme-linked immunosorbent assay (ELISA). <i>Journal of Clinical Endocrinology and Metabolism</i> , 2013 , 98, E77-81	5.6	8

27	Suppression of insulin oversecretion by subcutaneous recombinant human insulin-like growth factor I in children with congenital hyperinsulinism due to defective beta-cell sulfonylurea receptor. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1999 , 84, 3117-24	5.6	8
26	GRSF1 is an age-related regulator of senescence. <i>Scientific Reports</i> , 2019 , 9, 5546	4.9	6
25	Prepubertal children with growth hormone deficiency treated for four years with growth hormone experience dose-dependent increase in height, but not in the rate of puberty initiation. <i>Hormone Research in Paediatrics</i> , 2013 , 80, 28-37	3.3	6
24	Pharmacodynamic considerations with recombinant human insulin-like growth factor-I in children. <i>Hormone Research in Paediatrics</i> , 2005 , 63, 220-7	3.3	6
23	The Insulin-like Growth Factor Axis in Pediatrics. <i>Clinical Pediatric Endocrinology</i> , 1999 , 8, 1-10	1.4	6
22	MOTS-c reduces myostatin and muscle atrophy signaling. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2021 , 320, E680-E690	6	6
21	The effect of sex on humanin levels in healthy adults and patients with uncomplicated type 1 diabetes mellitus. <i>Canadian Journal of Physiology and Pharmacology</i> , 2015 , 93, 239-43	2.4	5
20	Humanin-induced autophagy plays important roles in skeletal muscle function and lifespan extension. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2022 , 1866, 130017	4	5
19	Insulin-like growth factor binding protein-4 accumulation is negatively correlated with growth rate in TM-3 cells. <i>Growth Hormone and IGF Research</i> , 1998 , 8, 277-82	2	4
18	Case report: increased insulin sensitivity in tumor hypoglycemia in a diabetic patient: glucose metabolism in tumor hypoglycemia. <i>American Journal of the Medical Sciences</i> , 1991 , 302, 229-34	2.2	4
17	Effect of aerobic and resistance exercise on the mitochondrial peptide MOTS-c in Hispanic and Non-Hispanic White breast cancer survivors. <i>Scientific Reports</i> , 2021 , 11, 16916	4.9	4
16	A Mitochondrial Genome-Wide Association Study of Cataract in a Latino Population. <i>Translational Vision Science and Technology</i> , 2020 , 9, 25	3.3	3
15	Mitochondrial-Encoded Peptide MOTS-c is an Exercise-Induced Regulator of Aging Metabolic Homeostasis and Physical Capacity		3
14	Acute endurance exercise stimulates circulating levels of mitochondrial-derived peptides in humans. <i>Journal of Applied Physiology</i> , 2021 , 131, 1035-1042	3.7	3
13	Subcellular Fractionation for ERK Activation Upon Mitochondrial-derived Peptide Treatment. <i>Journal of Visualized Experiments</i> , 2017 ,	1.6	2
12	The IL-27 component EBI-3 and its receptor subunit IL-27R β are essential for the cytoprotective action of humanin on male germ cells. <i>Biology of Reproduction</i> , 2021 , 104, 717-730	3.9	2
11	A Pro-Diabetogenic mtDNA Polymorphism in the Mitochondrial-Derived Peptide, MOTS-c		2
10	Feeling misguided: a comment on the US guidelines on growth hormone and insulin-like growth factor-I treatment in children and adolescents. <i>Current Opinion in Pediatrics</i> , 2017 , 29, 472-474	3.2	1

9	Surprising new height regulating genes: beyond growth hormone and IGF-I. <i>Pediatric Research</i> , 2008 , 64, 461	3.2	1
8	Racial differences in prognostic value of adult height for biochemical progression following radical prostatectomy. <i>Clinical Cancer Research</i> , 2005 , 11, 7735-42	12.9	1
7	The MOTS-c K14Q polymorphism in the mtDNA is associated with muscle fiber composition and muscular performance. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2021 , 1866, 130048	4	1
6	Plasma mitochondrial derived peptides MOTS-c and SHLP2 positively associate with android and liver fat in people without diabetes. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2021 , 1865, 129991 ⁴		1
5	Bladder cancer cells shift rapidly and spontaneously to cisplatin-resistant oxidative phosphorylation that is trackable in real time.. <i>Scientific Reports</i> , 2022 , 12, 5518	4.9	1
4	Effectiveness of a Weight Loss Program Using Digital Health in Adolescents and Preadolescents. <i>Childhood Obesity</i> , 2021 , 17, 311-321	2.5	0
3	Biological significance of insulin-like growth factor binding proteins. <i>NeuroImmune Biology</i> , 2002 , 2, 37-65		
2	Mito-Omics and immune function: Applying novel mitochondrial omic techniques to the context of the aging immune system. <i>Translational Medicine of Aging</i> , 2020 , 4, 132-140	2.7	
1	Human Papillomavirus Type 16 E7 Oncoprotein Binds and Inactivates Growth-Inhibitory Insulin-Like Growth Factor Binding Protein 3. <i>Molecular and Cellular Biology</i> , 2000 , 20, 6483-6495	4.8	