

# Pinchas Cohen

## List of Publications by Year in descending order

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210  
papers

18,849  
citations

13099

68  
h-index

14208

128  
g-index

214  
all docs

214  
docs citations

214  
times ranked

17069  
citing authors

#	ARTICLE	IF	CITATIONS
1	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, 407-417.	16.2	715
2	Insulin-like Growth Factor (IGF)-binding Protein-3 Induces Apoptosis and Mediates the Effects of Transforming Growth Factor- $\beta$ 1 on Programmed Cell Death through a p53- and IGF-independent Mechanism. <i>Journal of Biological Chemistry</i> , 1997, 272, 12181-12188.	3.4	646
3	A Periodic Diet that Mimics Fasting Promotes Multi-System Regeneration, Enhanced Cognitive Performance, and Healthspan. <i>Cell Metabolism</i> , 2015, 22, 86-99.	16.2	635
4	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, 3438-3442.	7.1	630
5	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.	12.4	612
6	The Mitochondrial-Derived Peptide MOTS-c Promotes Metabolic Homeostasis and Reduces Obesity and Insulin Resistance. <i>Cell Metabolism</i> , 2015, 21, 443-454.	16.2	464
7	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.	4.1	455
8	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, 4531-4536.	7.1	445
9	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, 7275-7283.	2.3	376
10	Fasting-mimicking diet and markers/risk factors for aging, diabetes, cancer, and cardiovascular disease. <i>Science Translational Medicine</i> , 2017, 9, .	12.4	363
11	Effects of Sex, Strain, and Energy Intake on Hallmarks of Aging in Mice. <i>Cell Metabolism</i> , 2016, 23, 1093-1112.	16.2	360
12	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, 401-407.	3.6	336
13	Fasting and cancer treatment in humans: A case series report. <i>Aging</i> , 2009, 1, 988-1007.	3.1	305
14	Direct Functional Interactions between Insulin-like Growth Factor-binding Protein-3 and Retinoid X Receptor- $\beta$ Regulate Transcriptional Signaling and Apoptosis. <i>Journal of Biological Chemistry</i> , 2000, 275, 33607-33613.	3.4	287
15	Fasting-Mimicking Diet Promotes Ngn3-Driven $\beta$ -Cell Regeneration to Reverse Diabetes. <i>Cell</i> , 2017, 168, 775-788.e12.	28.9	274
16	SnoRNA Snord116 (Pwcr1/MBII-85) Deletion Causes Growth Deficiency and Hyperphagia in Mice. <i>PLoS ONE</i> , 2008, 3, e1709.	2.5	251
17	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, 13042-13047.	7.1	250
18	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, 1564-1572.	0.9	245

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19	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, 415-421.	1.8	231
20	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, 19937-19944.	3.4	230
21	Humanin: a harbinger of mitochondrial-derived peptides?. <i>Trends in Endocrinology and Metabolism</i> , 2013, 24, 222-228.	7.1	217
22	The role of the insulin-like growth factor system in prenatal growth. <i>Molecular Genetics and Metabolism</i> , 2005, 86, 84-90.	1.1	204
23	Humanin: A Novel Central Regulator of Peripheral Insulin Action. <i>PLoS ONE</i> , 2009, 4, e6334.	2.5	200
24	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.	3.2	192
25	Naturally occurring mitochondrial-derived peptides are age-dependent regulators of apoptosis, insulin sensitivity, and inflammatory markers. <i>Aging</i> , 2016, 8, 796-809.	3.1	185
26	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.	1.8	181
27	Low insulin-like growth factor-1 level predicts survival in humans with exceptional longevity. <i>Aging Cell</i> , 2014, 13, 769-771.	6.7	175
28	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, 4817-4820.	3.6	172
29	The emerging role of the mitochondrial-derived peptide humanin in stress resistance. <i>Journal of Molecular Endocrinology</i> , 2013, 50, R11-R19.	2.5	163
30	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, 90-98.	3.6	156
31	REVIEW: The Somatomedin Hypothesis 2007: 50 Years Later. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2007, 92, 4529-4535.	3.6	156
32	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, 4662-4670.	7.0	155
33	Humanin is expressed in human vascular walls and has a cytoprotective effect against oxidized LDL-induced oxidative stress. <i>Cardiovascular Research</i> , 2010, 88, 360-366.	3.8	148
34	Insulin-Like Growth Factor Binding Proteins: New Proteins, New Functions. <i>Hormone Research in Paediatrics</i> , 1999, 51, 53-67.	1.8	145
35	Does the GH-IGF axis play a role in cancer pathogenesis?. <i>Growth Hormone and IGF Research</i> , 2000, 10, 297-305.	1.1	145
36	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, 2480-2486.	3.6	144

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37	The Mitochondrial-Derived Peptide Humanin Protects RPE Cells From Oxidative Stress, Senescence, and Mitochondrial Dysfunction. , 2016, 57, 1238.		142
38	Mitochondrially derived peptides as novel regulators of metabolism. Journal of Physiology, 2017, 595, 6613-6621.	2.9	142
39	Carbohydrate restriction, prostate cancer growth, and the insulin-like growth factor axis. Prostate, 2008, 68, 11-19.	2.3	140
40	Rapid Apoptosis Induction by IGFBP-3 Involves an Insulin-like Growth Factor-independent Nucleomitochondrial Translocation of RXR±/Nur77. Journal of Biological Chemistry, 2005, 280, 16942-16948.	3.4	130
41	MOTS-c: A novel mitochondrial-derived peptide regulating muscle and fat metabolism. Free Radical Biology and Medicine, 2016, 100, 182-187.	2.9	128
42	Diagnosis and management of growth hormone deficiency in childhood and adolescence. Growth Hormone and IGF Research, 2001, 11, 137-165.	1.1	124
43	Cellular Internalization of Insulin-like Growth Factor Binding Protein-3. Journal of Biological Chemistry, 2004, 279, 469-476.	3.4	124
44	Insulin-like growth factor binding protein-3 inhibits the growth of non-small cell lung cancer. Cancer Research, 2002, 62, 3530-7.	0.9	124
45	Novel Aspects of the Insulin-like Growth Factor Binding Proteins. Molecular Genetics and Metabolism, 1999, 68, 161-181.	1.1	121
46	The neurosurvival factor Humanin inhibits $\beta$ 2-cell apoptosis via signal transducer and activator of transcription 3 activation and delays and ameliorates diabetes in nonobese diabetic mice. Metabolism: Clinical and Experimental, 2010, 59, 343-349.	3.4	118
47	Late-life targeting of the IGF-1 receptor improves healthspan and lifespan in female mice. Nature Communications, 2018, 9, 2394.	12.8	106
48	Effect of diet and exercise on serum insulin, IGF-I, and IGFBP-1 levels and growth of LNCaP cells in vitro (United States). Cancer Causes and Control, 2002, 13, 929-935.	1.8	104
49	Growth Hormone Research Society perspective on the development of long-acting growth hormone preparations. European Journal of Endocrinology, 2016, 174, C1-C8.	3.7	99
50	Insulin-like growth factor binding protein (IGFBP) proteases: Functional regulators of cell growth. Progress in Growth Factor Research, 1995, 6, 273-284.	1.6	98
51	The Effects of Varying Dietary Carbohydrate and Fat Content on Survival in a Murine LNCaP Prostate Cancer Xenograft Model. Cancer Prevention Research, 2009, 2, 557-565.	1.5	98
52	Mitochondrial peptides modulate mitochondrial function during cellular senescence. Aging, 2018, 10, 1239-1256.	3.1	98
53	MOTS-c is an exercise-induced mitochondrial-encoded regulator of age-dependent physical decline and muscle homeostasis. Nature Communications, 2021, 12, 470.	12.8	97
54	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. Journal of Clinical Endocrinology and Metabolism, 2010, 95, 2089-2098.	3.6	94

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55	Pomegranate extract induces apoptosis in human prostate cancer cells by modulation of the IGF <sup>1</sup> /IGFBP axis. <i>Growth Hormone and IGF Research</i> , 2010, 20, 55-62.	1.1	93
56	Humanin preserves endothelial function and prevents atherosclerotic plaque progression in hypercholesterolemic ApoE deficient mice. <i>Atherosclerosis</i> , 2011, 219, 65-73.	0.8	92
57	Serum complexes of insulin-like growth factor-1 modulate skeletal integrity and carbohydrate metabolism. <i>FASEB Journal</i> , 2009, 23, 709-719.	0.5	90
58	All-trans-retinoic Acid Increases Transforming Growth Factor- $\beta$ 2 and Insulin-like Growth Factor Binding Protein-3 Expression through a Retinoic Acid Receptor- $\beta$ -dependent Signaling Pathway. <i>Journal of Biological Chemistry</i> , 1997, 272, 13711-13716.	3.4	88
59	Novel stimulatory role for insulin-like growth factor binding protein-2 in prostate cancer cells. <i>International Journal of Cancer</i> , 2003, 105, 14-19.	5.1	87
60	IGFBP-3 Is a Metastasis Suppression Gene in Prostate Cancer. <i>Cancer Research</i> , 2011, 71, 5154-5163.	0.9	84
61	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.	2.8	83
62	Gentamicin pharmacokinetics in neonates undergoing extracorporeal membrane oxygenation. <i>Pediatric Infectious Disease Journal</i> , 1990, 9, 562-565.	2.0	79
63	The ternary IGF complex influences postnatal bone acquisition and the skeletal response to intermittent parathyroid hormone. <i>Journal of Endocrinology</i> , 2006, 189, 289-299.	2.6	78
64	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, 900-907.	3.6	75
65	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, 3066-3073.	0.9	74
66	Humanin Prevents Age-Related Cognitive Decline in Mice and is Associated with Improved Cognitive Age in Humans. <i>Scientific Reports</i> , 2018, 8, 14212.	3.3	74
67	Insulin and Insulin-like Growth Factor-I Cause Coronary Vasorelaxation In Vitro. <i>Hypertension</i> , 1998, 32, 228-234.	2.7	72
68	Central and Opposing Effects of IGF-I and IGF-Binding Protein-3 on Systemic Insulin Action. <i>Diabetes</i> , 2006, 55, 2788-2796.	0.6	72
69	Dietary Feeding of Silibinin Inhibits Prostate Tumor Growth and Progression in Transgenic Adenocarcinoma of the Mouse Prostate Model. <i>Cancer Research</i> , 2007, 67, 11083-11091.	0.9	71
70	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, 257-268.	6.7	71
71	Hypothalamic-Pituitary Axis Regulates Hydrogen Sulfide Production. <i>Cell Metabolism</i> , 2017, 25, 1320-1333.e5.	16.2	71
72	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-e2951.	6.3	71

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73	Effects of air pollution on mitochondrial function, mitochondrial DNA methylation, and mitochondrial peptide expression. <i>Mitochondrion</i> , 2019, 46, 22-29.	3.4	70
74	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.	2.9	69
75	Insulin-like growth factor binding protein-6 activates programmed cell death in non-small cell lung cancer cells. <i>Oncogene</i> , 2000, 19, 4432-4436.	5.9	69
76	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.	1.8	69
77	IGFBP-3 mediates TGF- $\beta$ 1-induced cell growth in human airway smooth muscle cells. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2000, 278, L545-L551.	2.9	68
78	IGF-I regulates the age-dependent signaling peptide humanin. <i>Aging Cell</i> , 2014, 13, 958-961.	6.7	68
79	The mitochondrial derived peptide humanin is a regulator of lifespan and healthspan. <i>Aging</i> , 2020, 12, 11185-11199.	3.1	67
80	Growth Regulation of Prostatic Stromal Cells by Prostate-Specific Antigen. <i>Journal of the National Cancer Institute</i> , 1999, 91, 1663-1669.	6.3	66
81	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.	7.0	66
82	Insulin-like growth factor binding protein-1 levels in the diagnosis of hypoglycemia caused by hyperinsulinism. <i>Journal of Pediatrics</i> , 1997, 131, 193-199.	1.8	63
83	Control of aging and longevity by IGF-I signaling. <i>Experimental Gerontology</i> , 2005, 40, 867-872.	2.8	62
84	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, 2062-2071.	1.5	61
85	Status of long-acting-growth hormone preparations â€” 2015. <i>Growth Hormone and IGF Research</i> , 2015, 25, 201-206.	1.1	61
86	Nuclear-Encoded lncRNA MALAT1 Epigenetically Controls Metabolic Reprogramming in HCC Cells through the Mitophagy Pathway. <i>Molecular Therapy - Nucleic Acids</i> , 2021, 23, 264-276.	5.1	61
87	Long-Term Surveillance of Growth Hormone Therapy. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2012, 97, 68-72.	3.6	60
88	The Oxygen Paradox, the French Paradox, and age-related diseases. <i>GeroScience</i> , 2017, 39, 499-550.	4.6	59
89	Downregulation of circulating MOTS-c levels in patients with coronary endothelial dysfunction. <i>International Journal of Cardiology</i> , 2018, 254, 23-27.	1.7	58
90	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, 3568-3574.	3.6	57

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91	Host mitochondrial transcriptome response to SARS-CoV-2 in multiple cell models and clinical samples. <i>Scientific Reports</i> , 2021, 11, 3.	3.3	56
92	Chemoprevention of prostate cancer with lycopene in the TRAMP model. <i>Prostate</i> , 2010, 70, 1547-1554.	2.3	55
93	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, 159-164.	2.3	54
94	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, 350-357.	2.8	54
95	Insulin-Like Growth Factor I Stimulates Telomerase Activity in Prostate Cancer Cells. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2003, 88, 3354-3359.	3.6	53
96	A mechanism to explain how regular exercise might reduce the risk for clinical prostate cancer. <i>European Journal of Cancer Prevention</i> , 2007, 16, 415-421.	1.3	52
97	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, 3342-3349.	0.9	52
98	Growth hormone therapy in children; research and practice – A review. <i>Growth Hormone and IGF Research</i> , 2019, 44, 20-32.	1.1	52
99	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, 241-253.	1.1	51
100	Humanin prevents intra-renal microvascular remodeling and inflammation in hypercholesterolemic ApoE deficient mice. <i>Life Sciences</i> , 2012, 91, 199-206.	4.3	51
101	Effect of Dietary Omega-3 Fatty Acids on Tumor-Associated Macrophages and Prostate Cancer Progression. <i>Prostate</i> , 2016, 76, 1293-1302.	2.3	51
102	Characterizing the protective effects of SHLP2, a mitochondrial-derived peptide, in macular degeneration. <i>Scientific Reports</i> , 2018, 8, 15175.	3.3	51
103	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, 373-385.	4.1	50
104	Peptides derived from small mitochondrial open reading frames: Genomic, biological, and therapeutic implications. <i>Experimental Cell Research</i> , 2020, 393, 112056.	2.6	50
105	Insulin and insulin-like growth factor-I cause vasorelaxation in human vessels in vitro. <i>Coronary Artery Disease</i> , 2000, 11, 69-76.	0.7	49
106	Insulin-like growth factor binding protein 3 as an anticancer molecule in Ewing's sarcoma. <i>International Journal of Cancer</i> , 2006, 119, 1039-1046.	5.1	49
107	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, 932-937.	3.6	49
108	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, 653-661.	7.0	48

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109	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, 744-749.	3.4	47
110	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, 323-341.	1.1	47
111	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.	10.3	47
112	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.	3.2	46
113	Pharmacokinetics and Tissue Distribution of Humanin and Its Analogues in Male Rodents. <i>Endocrinology</i> , 2013, 154, 3739-3744.	2.8	45
114	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, 4851-4856.	7.0	44
115	Mitochondria-derived peptides in aging and healthspan. <i>Journal of Clinical Investigation</i> , 2022, 132, .	8.2	44
116	Effect of intermittent fasting with or without caloric restriction on prostate cancer growth and survival in SCID mice. <i>Prostate</i> , 2010, 70, 1037-1043.	2.3	43
117	The Mitochondrial-Derived Peptides, HumaninS14G and Small Humanin-like Peptide 2, Exhibit Chaperone-like Activity. <i>Scientific Reports</i> , 2017, 7, 7802.	3.3	43
118	Humanin, a Cytoprotective Peptide, Is Expressed in Carotid Artherosclerotic Plaques in Humans. <i>PLoS ONE</i> , 2012, 7, e31065.	2.5	43
119	Humanin Protects RPE Cells from Endoplasmic Reticulum Stress-Induced Apoptosis by Upregulation of Mitochondrial Glutathione. <i>PLoS ONE</i> , 2016, 11, e0165150.	2.5	43
120	The “two bag system” for variable intravenous dextrose and fluid administration: Benefits in diabetic ketoacidosis management. <i>Journal of Pediatrics</i> , 1999, 134, 376-378.	1.8	42
121	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, 181-186.	6.7	42
122	The mitochondrial-derived peptide MOTS-c is a regulator of plasma metabolites and enhances insulin sensitivity. <i>Physiological Reports</i> , 2019, 7, e14171.	1.7	42
123	Type I± collagen is an IGFBP-3 binding protein. <i>Growth Hormone and IGF Research</i> , 2003, 13, 89-97.	1.1	41
124	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, 10878-10884.	0.9	41
125	Contribution of the orphan nuclear receptor Nur77 to the apoptotic action of IGFBP-3. <i>Carcinogenesis</i> , 2007, 28, 1653-1658.	2.8	41
126	Physiologic and clinical relevance of the insulin-like growth factor binding proteins. <i>Current Opinion in Pediatrics</i> , 1994, 6, 462-467.	2.0	39



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127	Problems with Reclassification of Insulin-Like Growth Factor I Production and Action Disorders. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2006, 91, 4235-4236.	3.6	39
128	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, 551-561.	4.9	39
129	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.	3.2	39
130	The Role of Insulin-Like Growth Factor I Monitoring in Growth Hormone-Treated Children. <i>Hormone Research in Paediatrics</i> , 2004, 62, 59-65.	1.8	38
131	Metabolomic profile of diet-induced obesity mice in response to humanin and small humanin-like peptide 2 treatment. <i>Metabolomics</i> , 2019, 15, 88.	3.0	37
132	Insulin-like growth factors (IGFs): Implications for aging. <i>Psychoneuroendocrinology</i> , 1992, 17, 335-342.	2.7	36
133	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.	1.5	36
134	IGFBP-3 Nuclear Localization Predicts Human Prostate Cancer Recurrence. <i>Hormones and Cancer</i> , 2013, 4, 12-23.	4.9	35
135	Insulin-Like Growth Factor Binding Protein-3: Insulin-Like Growth Factor Independence Comes of Age. <i>Endocrinology</i> , 2006, 147, 2109-2111.	2.8	34
136	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.	2.5	34
137	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, 4511-4521.	2.8	33
138	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.	3.1	33
139	Insulin-Like Growth Factor Binding Protein-6 Inhibits the Growth of Human Bronchial Epithelial Cells and Increases in Abundance with All- <i>trans</i> -Retinoic Acid Treatment. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2000, 23, 297-303.	2.9	32
140	New Role for the Mitochondrial Peptide Humanin: Protective Agent Against Chemotherapy-Induced Side Effects. <i>Journal of the National Cancer Institute</i> , 2014, 106, dju006-dju006.	6.3	32
141	Mitochondrial DNA Hypomethylation Is a Biomarker Associated with Induced Senescence in Human Fetal Heart Mesenchymal Stem Cells. <i>Stem Cells International</i> , 2017, 2017, 1-12.	2.5	32
142	Dose-sparing and safety-enhancing effects of an IGF $\alpha$ -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, 71-76.	2.4	31
143	PAPA-1 Is a Nuclear Binding Partner of IGFBP-2 and Modulates Its Growth-Promoting Actions. <i>Molecular Endocrinology</i> , 2009, 23, 169-175.	3.7	30
144	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, 1726-1732.	3.4	29

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145	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, 754-762.	2.3	29
146	Mitochondrial biology and prostate cancer ethnic disparity. <i>Carcinogenesis</i> , 2018, 39, 1311-1319.	2.8	29
147	Humanin is a novel regulator of Hedgehog signaling and prevents glucocorticoid-induced bone growth impairment. <i>FASEB Journal</i> , 2019, 33, 4962-4974.	0.5	29
148	Low circulating levels of the mitochondrial-peptide hormone SHLP2: novel biomarker for prostate cancer risk. <i>Oncotarget</i> , 2017, 8, 94900-94909.	1.8	29
149	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.	3.9	28
150	A pro-diabetogenic mtDNA polymorphism in the mitochondrial-derived peptide, MOTS-c. <i>Aging</i> , 2021, 13, 1692-1717.	3.1	28
151	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.	4.1	27
152	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.	1.1	27
153	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.	3.1	27
154	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, 255-260.	1.7	26
155	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, 13782-13795.	4.1	26
156	MOTS-c reduces myostatin and muscle atrophy signaling. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2021, 320, E680-E690.	3.5	26
157	Homeostatic Imbalance between Apoptosis and Cell Renewal in the Liver of Premature Aging XpdTTD Mice. <i>PLoS ONE</i> , 2008, 3, e2346.	2.5	26
158	Prostatic involution in men taking finasteride is associated with elevated levels of insulin-like growth factor-binding proteins (IGFBPs)-2, -4, and -5. , 2000, 42, 203-210.		25
159	Insulin-like growth factor binding protein 5 is associated with involution of the ventral prostate in castrated and finasteride-treated rats. , 1998, 35, 273-278.		24
160	Attenuated In Vitro Coronary Arteriolar Vasorelaxation to Insulin-like Growth Factor I in Experimental Hypercholesterolemia. <i>Hypertension</i> , 1999, 34, 89-95.	2.7	24
161	Phase II prospective randomized trial of weight loss prior to radical prostatectomy. <i>Prostate Cancer and Prostatic Diseases</i> , 2018, 21, 212-220.	3.9	24
162	How useful are serum IGF-I measurements for managing GH replacement therapy in adults and children?. <i>Pituitary</i> , 2012, 15, 126-134.	2.9	23

#	ARTICLE	IF	CITATIONS
163	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.	6.3	23
164	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-E828.	3.6	22
165	Insulin Effects on Glucose and Potassium Metabolism <i>in Vivo</i> : Evidence for Selective Insulin Resistance in Humans. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1991, 73, 564-568.	3.6	21
166	Pharmacodynamic Considerations with Recombinant Human Insulin-Like Growth Factor-I in Children. <i>Hormone Research in Paediatrics</i> , 2005, 63, 220-227.	1.8	21
167	Efficacy of IGF-based growth hormone (GH) dosing in non-GH-deficient (non-GHD) short stature children with low IGF-I is not related to basal IGF levels. <i>Clinical Endocrinology</i> , 2013, 78, 405-414.	2.4	20
168	Non-islet-cell tumor associated with hypoglycemia in a child: Successful long-term therapy with growth hormone. <i>Journal of Pediatrics</i> , 1995, 127, 403-407.	1.8	19
169	Comparing the Utility of Mitochondrial and Nuclear DNA to Adjust for Genetic Ancestry in Association Studies. <i>Cells</i> , 2019, 8, 306.	4.1	19
170	Extending human healthspan and longevity: a symposium report. <i>Annals of the New York Academy of Sciences</i> , 2022, 1507, 70-83.	3.8	18
171	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.	3.3	17
172	Lack of Suppression of Insulin Secretion by Hyperinsulinemia in a Patient with an Insulinoma*. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1986, 63, 1411-1413.	3.6	16
173	Insulin resistance and acanthosis nigricans: Evidence for a postbinding defect in vivo. <i>Metabolism: Clinical and Experimental</i> , 1990, 39, 1006-1011.	3.4	16
174	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, 261-268.	4.1	16
175	Humanin-induced autophagy plays important roles in skeletal muscle function and lifespan extension. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2022, 1866, 130017.	2.4	16
176	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, 1624-1633.	3.7	15
177	Is treatment with growth hormone effective in children with cerebral palsy?. <i>Developmental Medicine and Child Neurology</i> , 2004, 46, 569-71.	2.1	15
178	Insulin-like growth factor binding protein-3 protease activity in the urine of children with chronic renal failure. <i>Pediatric Nephrology</i> , 1993, 7, 416-423.	1.7	14
179	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, 216-225.	1.1	14
180	Spinal Bone Mineral Density, IGF-1 and IGFBP-3 in Children with Cerebral Palsy. <i>Hormone Research in Paediatrics</i> , 2007, 68, 316-320.	1.8	14

#	ARTICLE	IF	CITATIONS
181	MOTS-c: an equal opportunity insulin sensitizer. <i>Journal of Molecular Medicine</i> , 2019, 97, 487-490.	3.9	14
182	Acute endurance exercise stimulates circulating levels of mitochondrial-derived peptides in humans. <i>Journal of Applied Physiology</i> , 2021, 131, 1035-1042.	2.5	14
183	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, 243-247.	1.1	13
184	Effect of a Low-Fat Diet Combined with IGF-1 Receptor Blockade on 22Rv1 Prostate Cancer Xenografts. <i>Molecular Cancer Therapeutics</i> , 2012, 11, 1539-1546.	4.1	12
185	Effects of dietary omega-3 fatty acids on orthotopic prostate cancer progression, tumor associated macrophages, angiogenesis and T-cell activation dependence on GPR120. <i>Prostate Cancer and Prostatic Diseases</i> , 2022, 25, 539-546.	3.9	12
186	Effects of Prolonged GRP78 Haploinsufficiency on Organ Homeostasis, Behavior, Cancer and Chemotoxic Resistance in Aged Mice. <i>Scientific Reports</i> , 2017, 7, 40919.	3.3	11
187	GRSF1 is an age-related regulator of senescence. <i>Scientific Reports</i> , 2019, 9, 5546.	3.3	11
188	Effectiveness of a Weight Loss Program Using Digital Health in Adolescents and Preadolescents. <i>Childhood Obesity</i> , 2021, 17, 311-321.	1.5	11
189	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.	2.4	11
190	Suppression of Insulin Oversecretion by Subcutaneous Recombinant Human Insulin-Like Growth Factor I in Children with Congenital Hyperinsulinism Due to Defective Î²-Cell Sulfonylurea Receptor1. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1999, 84, 3117-3124.	3.6	10
191	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.	2.3	9
192	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-E81.	3.6	8
193	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, 239-243.	1.4	8
194	A Mitochondrial Genome-Wide Association Study of Cataract in a Latino Population. <i>Translational Vision Science and Technology</i> , 2020, 9, 25.	2.2	8
195	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.	1.8	7
196	The Insulin-like Growth Factor Axis in Pediatrics. <i>Clinical Pediatric Endocrinology</i> , 1999, 8, 1-10.	0.8	7
197	Effect of Humanin G (HNG) on inflammation in age-related macular degeneration (AMD). <i>Aging</i> , 2022, 14, 4247-4269.	3.1	7
198	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, 229-234.	1.1	6

#	ARTICLE	IF	CITATIONS
199	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> , 2022, 1866, 130048.	2.4	6
200	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.	3.3	5
201	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, 277-282.	1.1	4
202	The IL-27 component EBI-3 and its receptor subunit IL-27R $\beta_1$ are essential for the cytoprotective action of humanin on male germ cells. <i>Biology of Reproduction</i> , 2021, 104, 717-730.	2.7	4
203	Racial differences in circulating mitochondria-derived peptides may contribute to prostate cancer health disparities. <i>Prostate</i> , 0, , .	2.3	4
204	Subcellular Fractionation for ERK Activation Upon Mitochondrial-derived Peptide Treatment. <i>Journal of Visualized Experiments</i> , 2017, , .	0.3	3
205	Racial Differences in Prognostic Value of Adult Height for Biochemical Progression Following Radical Prostatectomy. <i>Clinical Cancer Research</i> , 2005, 11, 7735-7742.	7.0	1
206	Surprising New Height Regulating Genes: Beyond Growth Hormone and IGF-I. <i>Pediatric Research</i> , 2008, 64, 461-461.	2.3	1
207	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.	2.0	1
208	Biological significance of insulin-like growth factor binding proteins. <i>NeuroImmune Biology</i> , 2002, 2, 37-65.	0.2	0
209	MITOCHONDRIAL SYSTEM BIOLOGY AS A WINDOW INTO DISEASES OF AGING. <i>Innovation in Aging</i> , 2019, 3, S555-S555.	0.1	0
210	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.	1.3	0