

# Fumiaki Ito

## List of Publications by Year in descending order

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88  
papers

4,422  
citations

236925

25  
h-index

102487

66  
g-index

88  
all docs

88  
docs citations

88  
times ranked

4982  
citing authors

#	ARTICLE	IF	CITATIONS
1	Positional cloning of the APECED gene. <i>Nature Genetics</i> , 1997, 17, 393-398.	21.4	1,294
2	Tyrosine Phosphorylation of $\beta$ -Catenin and Plakoglobin Enhanced by Hepatocyte Growth Factor and Epidermal Growth Factor in Human Carcinoma Cells. <i>Cell Adhesion and Communication</i> , 1994, 1, 295-305.	1.7	402
3	Measurement and Clinical Significance of Lipid Peroxidation as a Biomarker of Oxidative Stress: Oxidative Stress in Diabetes, Atherosclerosis, and Chronic Inflammation. <i>Antioxidants</i> , 2019, 8, 72.	5.1	258
4	Molecular Cloning of a Novel Putative Ca <sup>2+</sup> Channel Protein (TRPC7) Highly Expressed in Brain. <i>Genomics</i> , 1998, 54, 124-131.	2.9	247
5	Cytoskeletal reorganization by soluble Wnt $\beta$ protein signalling. <i>Genes To Cells</i> , 1998, 3, 659-670.	1.2	240
6	Phospholipase A2 Is Necessary for Tumor Necrosis Factor $\alpha$ -induced Ceramide Generation in L929 Cells. <i>Journal of Biological Chemistry</i> , 1997, 272, 17196-17203.	3.4	151
7	Receptor Tyrosine Kinases and Targeted Cancer Therapeutics. <i>Biological and Pharmaceutical Bulletin</i> , 2011, 34, 1774-1780.	1.4	143
8	Proteolytic processing of the hepatocyte growth factor/scatter factor receptor by furin. <i>FEBS Letters</i> , 1993, 328, 25-29.	2.8	124
9	Feasibility of agarose microbeads with xenogeneic islets as a bioartificial pancreas. <i>Journal of Biomedical Materials Research Part B</i> , 1994, 28, 1003-1011.	3.1	117
10	Role of Ceramide in Stimulation of the Transcription of Cytosolic Phospholipase A2 and Cyclooxygenase 2. <i>Biochemical and Biophysical Research Communications</i> , 1996, 220, 681-686.	2.1	89
11	EGF receptor in relation to tumor development: molecular basis of responsiveness of cancer cells to EGFR-targeting tyrosine kinase inhibitors. <i>FEBS Journal</i> , 2010, 277, 316-326.	4.7	89
12	High-Level Expression of the Mnb/Dyrk1A Gene in Brain and Heart during Rat Early Development. <i>Genomics</i> , 1999, 62, 165-171.	2.9	84
13	Strategy for developing microbeads applicable to islet xenotransplantation into a spontaneous diabetic NOD mouse. <i>Journal of Biomedical Materials Research Part B</i> , 1994, 28, 1201-1207.	3.1	73
14	Glucuronate-modified liposomes with prolonged circulation time. <i>Chemical and Pharmaceutical Bulletin</i> , 1990, 38, 1663-1666.	1.3	66
15	The Fusogenic Effect of Synthetic Polycations on Negatively Charged Lipid Bilayers. <i>Journal of Biochemistry</i> , 1986, 100, 935-944.	1.7	62
16	Comparative studies of in vitro and in vivo function of three different shaped bioartificial pancreases made of agarose hydrogel. <i>Biomaterials</i> , 1994, 15, 113-120.	11.4	58
17	Different Apoptotic Pathways Mediated by Fas and the Tumor-Necrosis-Factor Receptor. Cytosolic Phospholipase A2 is not Involved in Fas-Mediated Apoptosis. <i>FEBS Journal</i> , 1996, 236, 533-538.	0.2	46
18	Low pH induced membrane fusion of lipid vesicles containing proton-sensitive polymer. <i>Biochemistry</i> , 1987, 26, 8145-8150.	2.5	44

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19	Possible role of prostaglandins as negative regulators in growth stimulation by tumor necrosis factor and epidermal growth factor in human fibroblasts. <i>Journal of Cellular Physiology</i> , 1989, 141, 275-280.	4.1	43
20	Hepatocyte Growth Factor and Transforming Growth Factor- $\beta$ . Stimulate both Cell Growth and Migration of Human Gastric Adenocarcinoma Cells. <i>Cell Structure and Function</i> , 1992, 17, 185-190.	1.1	38
21	High-Density Lipoprotein (HDL) Triglyceride and Oxidized HDL: New Lipid Biomarkers of Lipoprotein-Related Atherosclerotic Cardiovascular Disease. <i>Antioxidants</i> , 2020, 9, 362.	5.1	34
22	Prostaglandins antagonize fibroblast proliferation stimulated by tumor necrosis factor. <i>Biochemical and Biophysical Research Communications</i> , 1991, 174, 758-766.	2.1	30
23	Suppression of Adriamycin-induced Apoptosis by Sustained Activation of the Phosphatidylinositol-3-OH kinase-Akt Pathway. <i>Journal of Biological Chemistry</i> , 2004, 279, 892-900.	3.4	29
24	Tumor necrosis factor is cytotoxic to human fibroblasts in the presence of exogenous arachidonic acid. <i>Experimental Cell Research</i> , 1989, 185, 41-49.	2.6	27
25	Antagonistic regulation of cell migration by epidermal growth factor and glucocorticoid in human gastric carcinoma cells. <i>Journal of Cellular Physiology</i> , 1998, 176, 127-137.	4.1	25
26	Characterization of a mutant E-cadherin protein encoded by a mutant gene frequently seen in diffuse-type human gastric carcinoma. <i>International Journal of Cancer</i> , 2000, 88, 579-583.	5.1	25
27	Isolation of cDNA for a Novel Human Protein KNP-I That Is Homologous to the E. coli SCRIP-27A Protein from the Autoimmune Polyglandular Disease Type I (APECED) Region of Chromosome 21q22.3. <i>Biochemical and Biophysical Research Communications</i> , 1996, 225, 608-616.	2.1	23
28	Role of transcription factor activator protein 1 (AP1) in epidermal growth factor-mediated protection against apoptosis induced by a DNA-damaging agent. <i>FEBS Journal</i> , 2006, 273, 3743-3755.	4.7	23
29	Mitogen-activated protein kinase phosphatase-1 modulated JNK activation is critical for apoptosis induced by inhibitor of epidermal growth factor receptor tyrosine kinase. <i>FEBS Journal</i> , 2009, 276, 1255-1265.	4.7	23
30	TNF $\alpha$ -induced glutathione depletion lies downstream of cPLA2 in L929 cells. <i>FEBS Letters</i> , 2001, 507, 151-156.	2.8	22
31	Reversible inhibition by human serum lipoproteins of cell proliferation. <i>Journal of Cellular Physiology</i> , 1982, 113, 1-7.	4.1	20
32	Loss of RecQ5 leads to spontaneous mitotic defects and chromosomal aberrations in <i>Drosophila melanogaster</i> . <i>DNA Repair</i> , 2009, 8, 232-241.	2.8	20
33	Dual regulation of hepatocyte apoptosis by reactive oxygen species: Increases in transcriptional expression and decreases in proteasomal degradation of BimEL. <i>Journal of Cellular Physiology</i> , 2011, 226, 1007-1016.	4.1	20
34	Localization of 16 Exons to a 450-kb Region Involved in the Autoimmune Polyglandular Disease Type I (APECED) on Human Chromosome 21q22.3. <i>DNA Research</i> , 1997, 4, 45-52.	3.4	19
35	The Application of a Modified d-ROMs Test for Measurement of Oxidative Stress and Oxidized High-Density Lipoprotein. <i>International Journal of Molecular Sciences</i> , 2017, 18, 454.	4.1	19
36	Involvement of Prostaglandin-Producing Pathway in the Cytotoxic Action of Tumor Necrosis Factor. <i>Cell Structure and Function</i> , 1991, 16, 333-340.	1.1	18

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37	Polyphenols can Potentially Prevent Atherosclerosis and Cardiovascular Disease by Modulating Macrophage Cholesterol Metabolism. <i>Current Molecular Pharmacology</i> , 2020, 14, 175-190.	1.5	18
38	Tumor Necrosis Factor-Induced Permeability Increase of Negatively Charged Phospholipid Vesicles. <i>Journal of Biochemistry</i> , 1987, 102, 1303-1310.	1.7	16
39	Signaling Pathways Leading to Transcription and Translation Cooperatively Regulate the Transient Increase in Expression of c-Fos Protein. <i>Journal of Biological Chemistry</i> , 2001, 276, 26077-26083.	3.4	16
40	Increased expression of c-Fos by extracellular signal-regulated kinase activation under sustained oxidative stress elicits BimEL upregulation and hepatocyte apoptosis. <i>FEBS Journal</i> , 2011, 278, 1873-1881.	4.7	16
41	Dissociation of C-fos Induction and Mitogen-Activated-Protein Kinase Activation from the Hepatocyte-Growth-Factor-Induced Motility Response in Human Gastric Carcinoma Cells. <i>FEBS Journal</i> , 1996, 236, 476-481.	0.2	15
42	Overexpression of the human MNB/DYRK1A gene induces formation of multinucleate cells through overduplication of the centrosome. <i>BMC Cell Biology</i> , 2003, 4, 12.	3.0	15
43	Effects of tumor necrosis factor on cell growth and expression of transferrin receptors in human fibroblasts. <i>Cell Structure and Function</i> , 1988, 13, 425-433.	1.1	15
44	Solubilization of human placental tumor necrosis factor receptors as a complex with a guanine nucleotide-binding protein. <i>Archives of Biochemistry and Biophysics</i> , 1991, 286, 323-329.	3.0	14
45	Epidermal growth factor receptor lacking C-terminal autophosphorylation sites retains signal transduction and high sensitivity to epidermal growth factor receptor tyrosine kinase inhibitor. <i>Cancer Science</i> , 2009, 100, 552-557.	3.9	14
46	Stimulation of prostaglandin production by hepatocyte growth factor in human gastric carcinoma cells. <i>FEBS Letters</i> , 1993, 334, 331-334.	2.8	13
47	Anaphase DNA bridges induced by lack of RecQ5 in <i>Drosophila</i> syncytial embryos. <i>FEBS Letters</i> , 2011, 585, 1923-1928.	2.8	13
48	1-O-Palmitoyl-D-glucuronate Endows Liposomes with Long Half-Life In Vivo. <i>Chemistry Letters</i> , 1989, 18, 2145-2148.	1.3	12
49	Transmembrane delivery of polypeptide hormones bypassing the intrinsic cell surface receptors: a conjugate of insulin with $\hat{I}\pm 2$ -macroglobulin ( $\hat{I}\pm 2M$ ) recognizing both insulin and $\hat{I}\pm 2M$ receptors and its biological activity in relation to endocytic pathways. <i>Molecular and Cellular Endocrinology</i> , 1984, 36, 165-173.	3.2	11
50	Growth inhibition of human fibroblasts by epidermal growth factor in the presence of arachidonic acid. <i>Biochemical and Biophysical Research Communications</i> , 1990, 169, 959-965.	2.1	11
51	Hepatocyte Growth Factor (HGF)-Induced Cell Migration Is Negatively Modulated by Epidermal Growth Factor through Tyrosine Phosphorylation of the HGF Receptor. <i>Experimental Cell Research</i> , 1996, 223, 420-425.	2.6	11
52	Growth Stimulation of Non-Small Cell Lung Cancer Cell Lines by Antibody against Epidermal Growth Factor Receptor Promoting Formation of ErbB2/ErbB3 Heterodimers. <i>Molecular Cancer Research</i> , 2007, 5, 393-401.	3.4	11
53	ent-Kaurane Diterpenoids from <i>Croton tonkinensis</i> Induce Apoptosis in Colorectal Cancer Cells through the Phosphorylation of JNK Mediated by Reactive Oxygen Species and Dual-Specificity JNK Kinase MKK4. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2014, 14, 1051-1061.	1.7	11
54	Liposomal modification with uronate, which endows liposomes with long circulation in vivo, reduces the uptake of liposomes by J774 cells in vitro. <i>Life Sciences</i> , 1992, 50, 1773-1779.	4.3	10

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55	pH-Dependent Fusion of Lipid Vesicles Induced by Proton-Sensitive Polymer. Chemistry Letters, 1987, 16, 1699-1702.	1.3	8
56	Expression of APG-2 protein, a member of the heat shock protein 110 family, in developing rat brain. Neurochemistry International, 2000, 36, 35-43.	3.8	8
57	Foreword Target Therapy for Cancer: Anti-cancer Drugs Targeting Growth-Factor Signaling Molecules. Biological and Pharmaceutical Bulletin, 2011, 34, 1773.	1.4	8
58	RecQ5 Interacts with Rad51 and Is Involved in Resistance of <i>Drosophila</i> to Cisplatin Treatment. Biological and Pharmaceutical Bulletin, 2012, 35, 2017-2022.	1.4	8
59	Enhancing Effect of Interferon Pretreatment on Interferon Production. Japanese Journal of Microbiology, 1974, 18, 223-228.	0.4	7
60	Transmembrane delivery of insulin into cells through $\alpha_2$ -macroglobulin receptor-mediated endocytosis. FEBS Letters, 1983, 152, 131-135.	2.8	7
61	Inhibitory effect of local anesthetics on Na <sup>+</sup> /H <sup>+</sup> antiporter in brush border membrane-reconstituted vesicles. Life Sciences, 1990, 47, 1129-1133.	4.3	7
62	Modified Polyanionic Polymers for Enhanced Cell Membrane Interaction. Journal of Bioactive and Compatible Polymers, 1992, 7, 275-287.	2.1	7
63	Genomic Organization and Complete Nucleotide Sequence of the TMEM1 Gene on Human Chromosome 21q22.3. Biochemical and Biophysical Research Communications, 1997, 235, 185-190.	2.1	7
64	Modified Polyanionic Polymers. I: Grafting of Hydrophobic Group onto Poly(maleic acid-alt-3,4) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 38 Compatible Polymers, 1992, 7, 15-24.	2.1	6
65	Development of a novel microbead applicable to xenogeneic islet transplantation. Journal of Controlled Release, 1994, 31, 283-291.	9.9	6
66	Genomic Organization and Complete Nucleotide Sequence of the HumanPWP2Gene on Chromosome 21. Genomics, 1997, 42, 528-531.	2.9	6
67	Relationships of <i>Drosophila melanogaster</i> RECQ5/QE to cell-cycle progression and DNA damage. FEBS Letters, 2006, 580, 6938-6942.	2.8	6
68	Molecular cloning and characterization of gene for Golgi-localized syntaphilin-related protein on human chromosome 8q23. Gene, 2005, 344, 259-271.	2.2	5
69	Transmembrane delivery of polypeptide growth factors bypassing the intrinsic cell surface receptors: Synthesis and biological activity of a conjugate of epidermal growth factor with $\alpha_2$ -macroglobulin. Cell Structure and Function, 1984, 9, 105-115.	1.1	5
70	Comparative studies of DNA polymerase I of enteric bacteria. Journal of General and Applied Microbiology, 1980, 26, 183-202.	0.7	5
71	Molecular Cloning of the m- <i>Golsyn</i> Gene and its Expression in the Mouse Brain. Gene Expression, 2006, 13, 27-40.	1.2	4
72	Novel aspects of epidermal growth factor receptor in relation to tumor development. FEBS Journal, 2010, 277, 300-300.	4.7	4

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73	Requirement of Newly Synthesized Protein for the Priming Activity of Interferon. Japanese Journal of Microbiology, 1975, 19, 87-95.	0.4	3
74	Expression of m-Golsyn/Syntabulin gene during mouse brain development. Neuroscience Letters, 2006, 403, 244-249.	2.1	3
75	RECQ5/QE DNA Helicase Interacts with Retrotransposon mdg3 gag, an HIV Nucleocapsid-Related Protein. Journal of Health Science, 2006, 52, 24-29.	0.9	3
76	RecQ5 Protein Translocation into the Nucleus by a Nuclear Localization Signal. Biological and Pharmaceutical Bulletin, 2013, 36, 1159-1166.	1.4	3
77	Arrest of 3T3 cells in G1 phase by low density lipoprotein.. Cell Structure and Function, 1983, 8, 199-209.	1.1	3
78	Reconstitution of the Na <sup>+</sup> /H <sup>+</sup> antiporter: A new method for the determination of H <sup>+</sup> efflux from Na <sup>+</sup> /H <sup>+</sup> antiporter-reconstituted vesicles.. Journal of Pharmacobio-dynamics, 1988, 11, 669-673.	0.5	2
79	Roles of the HSP70-Subunit in a Eukaryotic Multi-Site-Specific Endonuclease, Endo.SceI: Autophosphorylation and Heat Stability. Bioscience, Biotechnology and Biochemistry, 2004, 68, 2557-2564.	1.3	1
80	Asymmetric dimeric ent-kauranoids from Croton tonkinensis and their cytotoxicity. Tetrahedron Letters, 2019, 60, 1099-1102.	1.4	1
81	Distinct effects of Na <sup>+</sup> and Li <sup>+</sup> on the induction of morphological changes in A431 cells mediated by epidermal growth factor.. Cell Structure and Function, 1987, 12, 23-33.	1.1	1
82	Inhibition of thymidine transport by low density lipoprotein and its lipid components.. Cell Structure and Function, 1983, 8, 211-221.	1.1	1
83	A Protcin Required for the Initiation of DNA Synthesis by RNA Polymerase. Journal of Biochemistry, 1980, 88, 1001-1007.	1.7	0
84	[34] Transmembrane delivery of polypeptide growth factors using their conjugates with cell surface binding proteins. Methods in Enzymology, 1987, 147, 387-392.	1.0	0
85	High-Level Expression of Golsyn/Syntabulin in Glandular Epithelium and its Role in the Secretory Process~!2010-01-02~!2010-06-13~!2010-08-16~!. Journal of Epithelial Biology & Pharmacology, 2010, 3, 49-60.	1.2	0
86	Inactivation of vesicular stomatitis virus by human serum. Acta Hepatologica Japonica, 1980, 21, 1466-1470.	0.1	0
87	Inactivation of vesicular stomatitis virus by human serum. Acta Hepatologica Japonica, 1980, 21, 1471-1475.	0.1	0
88	Effects of divalent cations on the conversion of bacteriophage M13 and .PHI..CHI.174 DNAs to their replicative forms by extracts of Escherichia coli.. Journal of General and Applied Microbiology, 1980, 26, 203-216.	0.7	0