

Tsutomu Fujimura

List of Publications by Year in descending order

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96
papers

3,652
citations

159585

30
h-index

138484

58
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97
all docs

97
docs citations

97
times ranked

5679
citing authors

#	ARTICLE	IF	CITATIONS
1	The Atg8 Conjugation System Is Indispensable for Proper Development of Autophagic Isolation Membranes in Mice. <i>Molecular Biology of the Cell</i> , 2008, 19, 4762-4775.	2.1	424
2	Inactivation of Human Manganese-superoxide Dismutase by Peroxynitrite Is Caused by Exclusive Nitration of Tyrosine 34 to 3-Nitrotyrosine. <i>Journal of Biological Chemistry</i> , 1998, 273, 14085-14089.	3.4	413
3	p62/Sqstm1 promotes malignancy of HCV-positive hepatocellular carcinoma through Nrf2-dependent metabolic reprogramming. <i>Nature Communications</i> , 2016, 7, 12030.	12.8	253
4	Liver autophagy contributes to the maintenance of blood glucose and amino acid levels. <i>Autophagy</i> , 2011, 7, 727-736.	9.1	233
5	Differential involvement of μ -opioid receptor subtypes in endomorphin-1- and -2-induced antinociception. <i>European Journal of Pharmacology</i> , 1999, 372, 25-30.	3.5	111
6	Glycosylation status of haptoglobin in sera of patients with prostate cancer vs. benign prostate disease or normal subjects. <i>International Journal of Cancer</i> , 2008, 122, 39-49.	5.1	111
7	Hypoxia followed by reoxygenation induces secretion of cyclophilin A from cultured rat cardiac myocytes. <i>Biochemical and Biophysical Research Communications</i> , 2004, 317, 162-168.	2.1	99
8	The Human Cathelicidin LL-37 Host Defense Peptide Upregulates Tight Junction-Related Proteins and Increases Human Epidermal Keratinocyte Barrier Function. <i>Journal of Innate Immunity</i> , 2014, 6, 739-753.	3.8	77
9	Differential antinociceptive effects induced by intrathecally administered endomorphin-1 and endomorphin-2 in the mouse. <i>European Journal of Pharmacology</i> , 2001, 427, 203-210.	3.5	76
10	In situ alkylation with acrylamide for identification of cysteinyl residues in proteins during one- and two-dimensional sodium dodecyl sulphate-polyacrylamide gel electrophoresis. <i>Proteomics</i> , 2002, 2, 1672-1681.	2.2	74
11	Studies on the Mechanism of Early Onset Macular Degeneration in Cynomolgus Monkeys. II. Suppression of Metallothionein Synthesis in the Retina in Oxidative Stress. <i>Experimental Eye Research</i> , 1996, 62, 399-408.	2.6	66
12	Differential antagonism of endomorphin-1 and endomorphin-2 spinal antinociception by naloxonazine and 3-methoxynaltrexone. <i>Brain Research</i> , 2000, 881, 1-8.	2.2	66
13	Sphingosine-dependent Protein Kinase-1, Directed to 14-3-3, Is Identified as the Kinase Domain of Protein Kinase C δ . <i>Journal of Biological Chemistry</i> , 2003, 278, 41557-41565.	3.4	66
14	Role of the TNF pathway in the progression of diabetic nephropathy in KK-A ^y mice. <i>American Journal of Physiology - Renal Physiology</i> , 2014, 306, F1335-F1347.	2.7	65
15	Modification of a single tryptophan residue in human Cu,Zn-superoxide dismutase by peroxynitrite in the presence of bicarbonate. <i>BBA - Proteins and Proteomics</i> , 2001, 1548, 38-46.	2.1	64
16	Nitrated and Oxidized Products of a Single Tryptophan Residue in Human Cu,Zn-Superoxide Dismutase Treated with Either Peroxynitrite-Carbon Dioxide or Myeloperoxidase-Hydrogen Peroxide-Nitrite. <i>Journal of Biochemistry</i> , 2005, 138, 57-69.	1.7	64
17	Toxic effects of dopamine metabolism in Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , 2009, 15, S35-S38.	2.2	56
18	Relation Between Insulin Sensitivity and Metabolic Abnormalities in Japanese Men With BMI of 23-25 kg/m ² . <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016, 101, 3676-3684.	3.6	54

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19	Lysine and arginine biosyntheses mediated by a common carrier protein in <i>Sulfolobus</i> . <i>Nature Chemical Biology</i> , 2013, 9, 277-283.	8.0	52
20	Discovery of proteinaceous N-modification in lysine biosynthesis of <i>Thermus thermophilus</i> . <i>Nature Chemical Biology</i> , 2009, 5, 673-679.	8.0	49
21	Galectin-4, a Novel Predictor for Lymph Node Metastasis in Lung Adenocarcinoma. <i>PLoS ONE</i> , 2013, 8, e81883.	2.5	44
22	PARK2/Parkin-mediated mitochondrial clearance contributes to proteasome activation during slow-twitch muscle atrophy via NFE2L1 nuclear translocation. <i>Autophagy</i> , 2014, 10, 631-641.	9.1	44
23	Oxidative stress-responsive apoptosis inducing protein (ORAIP) plays a critical role in cerebral ischemia/reperfusion injury. <i>Scientific Reports</i> , 2019, 9, 13512.	3.3	42
24	Quantification of elastin cross-linking amino acids, desmosine and isodesmosine, in hydrolysates of rat lung by ion-pair liquid chromatography-mass spectrometry. <i>Analytical Biochemistry</i> , 2003, 318, 25-29.	2.4	41
25	Comprehensive proteomics analysis of autophagy-deficient mouse liver. <i>Biochemical and Biophysical Research Communications</i> , 2008, 368, 643-649.	2.1	39
26	Proteomic analysis of plasma membrane lipid rafts of HL60 cells. <i>Proteomics</i> , 2007, 7, 2398-2409.	2.2	35
27	Inactivation and destruction of conserved Trp159 of Fe-superoxide dismutase from <i>Porphyromonas gingivalis</i> by hydrogen peroxide. <i>FEBS Journal</i> , 1998, 253, 49-56.	0.2	34
28	Possible Involvement of Dynorphin A-(1-17) Release via μ -Opioid Receptors in Spinal Antinociception by Endomorphin-2. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2006, 317, 362-368.	2.5	33
29	Glycosylation status of serum immunoglobulin G in patients with prostate diseases. <i>Cancer Medicine</i> , 2016, 5, 1137-1146.	2.8	33
30	One-step subcellular fractionation of rat liver tissue using a Nycodenz density gradient prepared by freezing-thawing and two-dimensional sodium dodecyl sulfate electrophoresis profiles of the main fraction of organelles. <i>Electrophoresis</i> , 2001, 22, 2872-2880.	2.4	32
31	The novel combination of dual mTOR inhibitor AZD2014 and pan-PIM inhibitor AZD1208 inhibits growth in acute myeloid leukemia via HSF pathway suppression. <i>Oncotarget</i> , 2015, 6, 37930-37947.	1.8	32
32	Ancient Ubiquitous Protein 1 Binds to the Conserved Membrane-proximal Sequence of the Cytoplasmic Tail of the Integrin β 3 Subunits That Plays a Crucial Role in the Inside-out Signaling of α IIb β 3. <i>Journal of Biological Chemistry</i> , 2002, 277, 28934-28941.	3.4	30
33	Secreted tyrosine sulfated-eIF5A mediates oxidative stress-induced apoptosis. <i>Scientific Reports</i> , 2015, 5, 13737.	3.3	29
34	Differential remodelling of peroxisome function underpins the environmental and metabolic adaptability of diplomonads and kinetoplastids. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20160520.	2.6	29
35	Separation of 18 6-Aminoquinolyl-carbamyl-Amino Acids by Ion-Pair Chromatography. <i>Analytical Biochemistry</i> , 1997, 249, 79-82.	2.4	28
36	Amino-group carrier-protein-mediated secondary metabolite biosynthesis in <i>Streptomyces</i> . <i>Nature Chemical Biology</i> , 2016, 12, 967-972.	8.0	28

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37	Ribosomal Biogenesis and Translational Flux Inhibition by the Selective Inhibitor of Nuclear Export (SINE) XPO1 Antagonist KPT-185. <i>PLoS ONE</i> , 2015, 10, e0137210.	2.5	28
38	Multi-sequential surface plasmon resonance analysis of haptoglobin-lectin complex in sera of patients with malignant and benign prostate diseases. <i>Analytical Biochemistry</i> , 2011, 419, 241-249.	2.4	27
39	A clinically attainable dose of L-asparaginase targets glutamine addiction in lymphoid cell lines. <i>Cancer Science</i> , 2015, 106, 1534-1543.	3.9	26
40	Differential antagonism of endomorphin-1 and endomorphin-2 supraspinal antinociception by naloxonazine and 3-methylnaltrexone. <i>Peptides</i> , 2002, 23, 895-901.	2.4	23
41	Effects of sitagliptin on ectopic fat contents and glucose metabolism in type 2 diabetic patients with fatty liver: A pilot study. <i>Journal of Diabetes Investigation</i> , 2015, 6, 164-172.	2.4	23
42	Haptoglobin β chain defined by monoclonal antibody RM2 as a novel serum marker for prostate cancer. <i>International Journal of Cancer</i> , 2008, 123, 633-640.	5.1	21
43	Oxidative Stress-Responsive Apoptosis Inducing Protein (ORAIP) Plays a Critical Role in High Glucose-Induced Apoptosis in Rat Cardiac Myocytes and Murine Pancreatic β -Cells. <i>Cells</i> , 2017, 6, 35.	4.1	21
44	Endomorphin analogues containing D-Pro2 discriminate different μ -opioid receptor mediated antinociception in mice. <i>British Journal of Pharmacology</i> , 2002, 137, 1143-1146.	5.4	20
45	Absence of Elovl6 attenuates steatohepatitis but promotes gallstone formation in a lithogenic diet-fed Ldlr $^{-/-}$ mouse model. <i>Scientific Reports</i> , 2015, 5, 17604.	3.3	20
46	A Tyr-W-MIF-1 Analog Containing D-Pro2 Acts as a Selective μ -Opioid Receptor Antagonist in the Mouse. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2005, 312, 1075-1081.	2.5	19
47	Globotriaosylceramide-Expressing Burkitt's Lymphoma Cells Are Committed to Early Apoptotic Status by Rhamnose-Binding Lectin from Catfish Eggs. <i>Biological and Pharmaceutical Bulletin</i> , 2009, 32, 345-353.	1.4	19
48	Protein Expression Profiling of Giant Cell Tumors of Bone Treated with Denosumab. <i>PLoS ONE</i> , 2016, 11, e0148401.	2.5	19
49	A Case of Neonatal Lupus Erythematosus Presenting Delayed Dilated Cardiomyopathy With Circulating Autoantibody to Annexin A6. <i>International Heart Journal</i> , 2007, 48, 407-415.	1.0	18
50	A treadmill exercise reactivates the signaling of the mammalian target of rapamycin (mTor) in the skeletal muscles of starved mice. <i>Biochemical and Biophysical Research Communications</i> , 2015, 456, 519-526.	2.1	16
51	Characteristics of hepatic insulin-sensitive nonalcoholic fatty liver disease. <i>Hepatology Communications</i> , 2017, 1, 634-647.	4.3	16
52	<p>Tranilast Inhibits Pulmonary Fibrosis by Suppressing TGF β /SMAD2 Pathway</p>. <i>Drug Design, Development and Therapy</i> , 2020, Volume 14, 4593-4603.	4.3	16
53	Identification of Multidrug Resistant Protein 1 of Mouse Leukemia P388 Cells on a PVDF Membrane Using 6-Aminoquinolyl-carbamyl (AQC)-Amino Acid Analysis and World Wide Web (WWW)-Accessible Tools. <i>Analytical Biochemistry</i> , 1998, 264, 251-258.	2.4	15
54	Structural Insight into Amino Group-carrier Protein-mediated Lysine Biosynthesis. <i>Journal of Biological Chemistry</i> , 2015, 290, 435-447.	3.4	14

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55	Ethambutol neutralizes lysosomes and causes lysosomal zinc accumulation. <i>Biochemical and Biophysical Research Communications</i> , 2016, 471, 109-116.	2.1	14
56	Parallel Stimulations of in Vitro and in Situ $[^{35}S]GTP\gamma S$ Binding by Endomorphin 1 and DAMGO in Mouse Brains. <i>Peptides</i> , 1998, 19, 755-758.	2.4	13
57	Increased expression of ERp57/GRP58 is protective against pancreatic beta cell death caused by autophagic failure. <i>Biochemical and Biophysical Research Communications</i> , 2014, 453, 19-24.	2.1	13
58	A sphingosine-dependent protein kinase that specifically phosphorylates 14-3-3 (SDK1) is identified as the kinase domain of PKC δ : a preliminary note. <i>Biochemical and Biophysical Research Communications</i> , 2003, 307, 589-594.	2.1	12
59	Phosphorylated α -Syn is a component of Lewy body of Parkinson's disease. <i>Biochemical and Biophysical Research Communications</i> , 2005, 331, 309-317.	2.1	12
60	Biochemical and immunological characterization of a novel monoclonal antibody against mouse leukotriene B4 receptor 1. <i>PLoS ONE</i> , 2017, 12, e0185133.	2.5	12
61	Integrative genomic and proteomic analyses identifies glycerol-3-phosphate acyltransferase as a target of low-dose ionizing radiation in EBV infected-B cells. <i>International Journal of Radiation Biology</i> , 2016, 92, 24-34.	1.8	11
62	Contribution of spinal μ -opioid receptors and dynorphin B to the antinociception induced by Tyr-d-Arg-Phe-Sar. <i>Peptides</i> , 2006, 27, 2786-2793.	2.4	10
63	NP-1250, an ABCG2 inhibitor, induces apoptotic cell death in mitoxantrone-resistant breast carcinoma MCF7 cells via a caspase-independent pathway. <i>Oncology Reports</i> , 2013, 29, 1492-1500.	2.6	10
64	Expression of F-actin-capping protein subunit beta, CAPZB, is associated with cell growth and motility in epithelioid sarcoma. <i>BMC Cancer</i> , 2016, 16, 206.	2.6	10
65	Catalysis of electro-oxidation of antibiotics by nitroxyl radicals and the electrochemical sensing of vancomycin. <i>RSC Advances</i> , 2021, 11, 21622-21628.	3.6	10
66	The Structure of <i>Silurus asotus</i> (Catfish) Roe Lectin (SAL): Identification of a Noncovalent Trimer by Mass Spectrometry and Analytical Ultracentrifugation. <i>Analytical Biochemistry</i> , 1997, 247, 319-326.	2.4	9
67	Differential inhibitory effects of μ -opioids on substance P- and capsaicin-induced nociceptive behavior in mice. <i>Peptides</i> , 2006, 27, 760-768.	2.4	9
68	Lipopolysaccharide-induced expansion of histidine decarboxylase-expressing Ly6G $^{+}$ myeloid cells identified by exploiting histidine decarboxylase BAC-GFP transgenic mice. <i>Scientific Reports</i> , 2019, 9, 15603.	3.3	9
69	6-Nitrotryptophan: A Specific Reaction Product Of Tryptophan Residue In Human Cu, Zn-Sod Treated With Peroxynitrite. <i>Advances in Experimental Medicine and Biology</i> , 2003, 527, 745-749.	1.6	9
70	d-Pro 2 -Endomorphin-1 and d-Pro 2 -Endomorphin-2, Respectively, Attenuate the Antinociception Induced by Endomorphin-1 and Endomorphin-2 Given Intrathecally in the Mouse. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2002, 303, 874-879.	2.5	8
71	Cysteine protease antigens cleave CD123, the α subunit of murine IL-3 receptor, on basophils and suppress IL-3-mediated basophil expansion. <i>Biochemical and Biophysical Research Communications</i> , 2015, 460, 261-266.	2.1	8
72	Involvement of spinal μ -opioid receptors on the Tyr-d-Arg-Phe-sarcosine-induced antinociception. <i>European Journal of Pharmacology</i> , 2006, 540, 67-72.	3.5	7

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73	Molecular interaction of the first 3 enzymes of the de novo pyrimidine biosynthetic pathway of <i>Trypanosoma cruzi</i> . <i>Biochemical and Biophysical Research Communications</i> , 2012, 418, 140-143.	2.1	7
74	Plasma levels of oxidative stress-responsive apoptosis inducing protein (ORAIP) in rats subjected to physicochemical oxidative stresses. <i>Bioscience Reports</i> , 2016, 36, .	2.4	7
75	Plasma levels of oxidative stress-responsive apoptosis inducing protein (ORAIP) in patients with atrial fibrillation. <i>International Journal of Cardiology</i> , 2016, 222, 528-530.	1.7	7
76	Conformational diversity of dynactin sidearm and domain organization of its subunit p150. <i>Molecular Biology of the Cell</i> , 2020, 31, 1218-1231.	2.1	7
77	Voltammetric pH Measurements Using Azure A-Containing Layer-by-Layer Film Immobilized Electrodes. <i>Polymers</i> , 2020, 12, 2328.	4.5	6
78	Marked Elevation of Plasma Levels of Oxidative Stress-Responsive Apoptosis-Inducing Protein in Dialysis Patients. <i>Kidney International Reports</i> , 2016, 1, 321-324.	0.8	5
79	Potential of ifosfamide toxicity by chlordiazepoxide, diazepam and oxazepam.. <i>Chemical and Pharmaceutical Bulletin</i> , 1989, 37, 3420-3422.	1.3	4
80	Oxidative stress-responsive apoptosis-inducing protein in patients with heterozygous familial hypercholesterolemia. <i>Heart and Vessels</i> , 2021, 36, 1923-1932.	1.2	4
81	<i>O</i> -glycosylated clusterin as a sensitive marker for diagnosing early stages of prostate cancer. <i>Prostate</i> , 2021, 81, 170-181.	2.3	4
82	Dihydroorotate dehydrogenase arises from novel fused gene product with aspartate carbamoyltransferase in <i>Bodo saliens</i> . <i>Biochemical and Biophysical Research Communications</i> , 2007, 358, 253-258.	2.1	3
83	Bioinformatic identification of cytochrome b5 homologues from the parasitic nematode <i>Ascaris suum</i> and the free-living nematode <i>Caenorhabditis elegans</i> highlights the crucial role of <i>A. suum</i> adult-specific secretory cytochrome b5 in parasitic adaptation. <i>Parasitology International</i> , 2016, 65, 113-120.	1.3	3
84	Adsorption and Release of Rose Bengal on Layer-by-Layer Films of Poly(Vinyl Alcohol) and Poly(Amidoamine) Dendrimers Bearing 4-Carboxyphenylboronic Acid. <i>Polymers</i> , 2020, 12, 1854.	4.5	3
85	Urine Lactoferrin as a Potential Biomarker Reflecting the Degree of Malignancy in Urothelial Carcinoma of the Bladder. <i>Tohoku Journal of Experimental Medicine</i> , 2020, 252, 225-244.	1.2	3
86	Binding Assays Using a Benzofurazan-Labeled Fluorescent Probe for Estrogen Receptor-Ligand Interactions. <i>Chemical and Pharmaceutical Bulletin</i> , 2020, 68, 954-961.	1.3	3
87	Oxidative stress-responsive apoptosis inducing protein (ORAIP) plays a critical role in doxorubicin-induced apoptosis in rat cardiac myocytes. <i>International Journal of Cardiology</i> , 2022, 348, 119-124.	1.7	3
88	Ion-Pair Chromatography for Identification of Picomolar-Order Protein on a PVDF Membrane. , 2000, 159, 087-100.		2
89	Electrochemical Quantitative Evaluation of the Surface Charge of a Poly(1-vinylimidazole) Multilayer Film and Application to Nanopore pH Sensor. <i>Electroanalysis</i> , 2021, 33, 1633-1638.	2.9	2
90	Electropolymerization of Azure A and pH Sensing Using Poly(azure A)-modified Electrodes. <i>Analytical Sciences</i> , 2021, 37, 893-896.	1.6	2

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91	Nitroxyl Radical/Copper-Catalyzed Electrooxidation of Alcohols and Amines at Low Potentials. <i>Chemical and Pharmaceutical Bulletin</i> , 2021, 69, 1005-1009.	1.3	2
92	Electrochemical Detection of Sesamol Dimer and its Application to Measurement of Radicals. <i>Analytical Sciences</i> , 2021, 37, 633-635.	1.6	1
93	Specific Substances Contained in the Exhaled Breath of Patients with Esophageal Cancer. <i>Analytical Sciences</i> , 2021, 37, 1059-1060.	1.6	0
94	Electrochemical Cleavage of the Carbon-Boron Bond in <i>p</i> -Acetamidophenylboronic Acid at Neutral pH Conditions. <i>Chemical and Pharmaceutical Bulletin</i> , 2021, 69, 1206-1208.	1.3	0
95	Autophagic dysfunction in the liver enhances the expression of insoluble nuclear proteins 14-3-3 σ and importin β 4. <i>Life Sciences</i> , 2022, 298, 120491.	4.3	0
96	Electrochemical Polymerization of Nitroxyl Radical Precursor Containing Phenol Side Chain in Aqueous Solution and Its Application to Electrochemical Analysis of Glucose. <i>Bunseki Kagaku</i> , 2022, 71, 191-196.	0.2	0