

Toru Yanagawa

List of Publications by Year in descending order

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115
papers

7,184
citations

136950

32
h-index

56724

83
g-index

117
all docs

117
docs citations

117
times ranked

12763
citing authors

#	ARTICLE	IF	CITATIONS
1	Homeostatic Levels of p62 Control Cytoplasmic Inclusion Body Formation in Autophagy-Deficient Mice. <i>Cell</i> , 2007, 131, 1149-1163.	28.9	1,925
2	Transcription Factor Nrf2 Coordinately Regulates a Group of Oxidative Stress-inducible Genes in Macrophages. <i>Journal of Biological Chemistry</i> , 2000, 275, 16023-16029.	3.4	1,297
3	<i>Listeria monocytogenes</i> ActA-mediated escape from autophagic recognition. <i>Nature Cell Biology</i> , 2009, 11, 1233-1240.	10.3	388
4	Peroxiredoxin family proteins are key initiators of post-ischemic inflammation in the brain. <i>Nature Medicine</i> , 2012, 18, 911-917.	30.7	375
5	Induction of osteoblast differentiation indices by statins in MC3T3-E1 cells. <i>Journal of Cellular Biochemistry</i> , 2004, 92, 458-471.	2.6	228
6	Mitochondrial Stasis Reveals p62-Mediated Ubiquitination in Parkin-Independent Mitophagy and Mitigates Nonalcoholic Fatty Liver Disease. <i>Cell Metabolism</i> , 2018, 28, 588-604.e5.	16.2	180
7	Novel roles of peroxiredoxins in inflammation, cancer and innate immunity. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2012, 50, 91-105.	1.4	133
8	Transcriptional activation of p62/A170/ZIP during the formation of the aggregates: possible mechanisms and the role in Lewy body formation in Parkinson's disease. <i>Brain Research</i> , 2004, 1012, 42-51.	2.2	126
9	Mandibular reconstruction using plates prebent to fit rapid prototyping 3-dimensional printing models ameliorates contour deformity. <i>Head & Face Medicine</i> , 2014, 10, 45.	2.1	122
10	Peroxiredoxin I expression in human thyroid tumors. <i>Cancer Letters</i> , 1999, 145, 127-132.	7.2	109
11	Peroxiredoxin I expression in oral cancer: a potential new tumor marker. <i>Cancer Letters</i> , 2000, 156, 27-35.	7.2	103
12	SQSTM1/p62 promotes mitochondrial ubiquitination independently of PINK1 and PRKN/parkin in mitophagy. <i>Autophagy</i> , 2019, 15, 2012-2018.	9.1	93
13	Activation of Nrf2 and accumulation of ubiquitinated A170 by arsenic in osteoblasts. <i>Biochemical and Biophysical Research Communications</i> , 2003, 305, 271-277.	2.1	89
14	Murine Peritoneal Macrophages Induce a Novel 60-kDa Protein with Structural Similarity to a Tyrosine Kinase p56lck-Associated Protein in Response to Oxidative Stress. <i>Biochemical and Biophysical Research Communications</i> , 1996, 226, 456-460.	2.1	81
15	Essential role of Nrf2 in keratinocyte protection from UVA by quercetin. <i>Biochemical and Biophysical Research Communications</i> , 2009, 387, 109-114.	2.1	76
16	Heme oxygenase-1 expression in oral squamous cell carcinoma as involved in lymph node metastasis. <i>Cancer Letters</i> , 1999, 138, 53-59.	7.2	69
17	MicroRNA-155 is associated with oral squamous cell carcinoma metastasis and poor prognosis. <i>Journal of Oral Pathology and Medicine</i> , 2016, 45, 248-255.	2.7	69
18	Protective role of Nrf2 in age-related hearing loss and gentamicin ototoxicity. <i>Biochemical and Biophysical Research Communications</i> , 2011, 415, 94-98.	2.1	62

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19	Heme oxygenase-1 expression predicts cervical lymph node metastasis of tongue squamous cell carcinomas. <i>Oral Oncology</i> , 2004, 40, 21-27.	1.5	60
20	Low Micromolar Levels of Hydrogen Peroxide and Proteasome Inhibitors Induce the 60-kDa A170 Stress Protein in Murine Peritoneal Macrophages. <i>Biochemical and Biophysical Research Communications</i> , 1997, 232, 33-37.	2.1	59
21	Expression of CXCR4 and its ligand SDF-1 in intestinal-type gastric cancer is associated with lymph node and liver metastasis. <i>Anticancer Research</i> , 2009, 29, 4751-8.	1.1	58
22	Nrf2 deficiency causes tooth decolourization due to iron transport disorder in enamel organ. <i>Genes To Cells</i> , 2004, 9, 641-651.	1.2	56
23	Depletion of p62 reduces nuclear inclusions and paradoxically ameliorates disease phenotypes in Huntington's model mice. <i>Human Molecular Genetics</i> , 2015, 24, 1092-1105.	2.9	56
24	Deficiency of p62/Sequestosome 1 Causes Hyperphagia Due to Leptin Resistance in the Brain. <i>Journal of Neuroscience</i> , 2013, 33, 14767-14777.	3.6	55
25	Stress-Induced Peroxiredoxins. <i>Sub-Cellular Biochemistry</i> , 2007, 44, 375-384.	2.4	54
26	p62/SQSTM1 Differentially Removes the Toxic Mutant Androgen Receptor via Autophagy and Inclusion Formation in a Spinal and Bulbar Muscular Atrophy Mouse Model. <i>Journal of Neuroscience</i> , 2013, 33, 7710-7727.	3.6	52
27	Fluorescent protein tagging of endogenous protein in brain neurons using CRISPR/Cas9-mediated knock-in and in utero electroporation techniques. <i>Scientific Reports</i> , 2016, 6, 35861.	3.3	51
28	Functional links between SQSTM1 and ALS2 in the pathogenesis of ALS: cumulative impact on the protection against mutant SOD1-mediated motor dysfunction in mice. <i>Human Molecular Genetics</i> , 2016, 25, 3321-3340.	2.9	43
29	Molecular mechanisms of <i>Streptococcus pneumoniae</i> targeted autophagy via pneumolysin, Golgi-resident Rab41, and Nedd4-mediated K63-linked ubiquitination. <i>Cellular Microbiology</i> , 2018, 20, e12846.	2.1	39
30	Ulk2 controls cortical excitatory-inhibitory balance via autophagic regulation of p62 and GABAA receptor trafficking in pyramidal neurons. <i>Human Molecular Genetics</i> , 2018, 27, 3165-3176.	2.9	39
31	p62 Deficiency Enhances α -Synuclein Pathology in Mice. <i>Brain Pathology</i> , 2015, 25, 552-564.	4.1	37
32	The α -glucosidase inhibitor acarbose prevents obesity and simple steatosis in sequestosome 1/A170/p62 deficient mice. <i>Hepatology Research</i> , 2009, 39, 490-500.	3.4	35
33	Real-Time Tissue Elastography for the Diagnosis of Lymph Node Metastasis in Oral Squamous Cell Carcinoma. <i>Ultrasound in Medicine and Biology</i> , 2012, 38, 389-395.	1.5	34
34	The effect of oral management on the severity of oral mucositis during hematopoietic SCT. <i>Bone Marrow Transplantation</i> , 2012, 47, 725-730.	2.4	31
35	Distortion of the normal function of synaptic cell adhesion molecules by genetic variants as a risk for autism spectrum disorders. <i>Brain Research Bulletin</i> , 2017, 129, 82-90.	3.0	30
36	DNA repair protein RAD51 enhances the CRISPR/Cas9-mediated knock-in efficiency in brain neurons. <i>Biochemical and Biophysical Research Communications</i> , 2020, 524, 621-628.	2.1	27

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37	Expression of autophagy-related markers at the surgical margin of oral squamous cell carcinoma correlates with poor prognosis and tumor recurrence. <i>Human Pathology</i> , 2018, 73, 156-163.	2.0	26
38	Deficiency of calcium/calmodulin-dependent serine protein kinase disrupts the excitatory-inhibitory balance of synapses by down-regulating GluN2B. <i>Molecular Psychiatry</i> , 2019, 24, 1079-1092.	7.9	26
39	Induction of murine intestinal and hepatic peroxiredoxin MSP23 by dietary butylated hydroxyanisole. <i>Carcinogenesis</i> , 2000, 21, 1013-1016.	2.8	25
40	Cochlear protection from acoustic injury by inhibitors of p38 mitogen-activated protein kinase and sequestosome 1 stress protein. <i>Neuroscience</i> , 2010, 166, 665-670.	2.3	25
41	Exercise training enhances in vivo clearance of endotoxin and attenuates inflammatory responses by potentiating Kupffer cell phagocytosis. <i>Scientific Reports</i> , 2017, 7, 11977.	3.3	25
42	Oxidative stress-related proteins A170 and heme oxygenase-1 are differently induced in the rat cerebellum under kainate-mediated excitotoxicity. <i>Neuroscience Letters</i> , 2000, 282, 57-60.	2.1	24
43	Tissue Prx I in the protection against Fe-NTA and the reduction of nitroxyl radicals. <i>Biochemical and Biophysical Research Communications</i> , 2006, 339, 226-231.	2.1	24
44	Peroxiredoxin I expression in tongue squamous cell carcinomas as involved in tumor recurrence. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2005, 34, 915-920.	1.5	23
45	Enhanced neointimal hyperplasia and carotid artery remodelling in sequestosome 1 deficient mice. <i>Journal of Cellular and Molecular Medicine</i> , 2010, 14, 1546-1554.	3.6	23
46	MicroRNA-205-5p suppresses the invasiveness of oral squamous cell carcinoma by inhibiting TIMP2 expression. <i>International Journal of Oncology</i> , 2018, 52, 841-850.	3.3	23
47	Peroxiredoxin I plays a protective role against UVA irradiation through reduction of oxidative stress. <i>Journal of Dermatological Science</i> , 2014, 74, 9-17.	1.9	22
48	Deletion of both <i>p62</i> and <i>Nrf2</i> ; spontaneously results in the development of nonalcoholic steatohepatitis. <i>Experimental Animals</i> , 2018, 67, 201-218.	1.1	22
49	Phosphorylation of A170 Stress Protein by Casein Kinase II-like Activity in Macrophages. <i>Biochemical and Biophysical Research Communications</i> , 1997, 241, 157-163.	2.1	20
50	Induction of Heme Oxygenase-1 in the Rat Brain by Kainic Acid-Mediated Excitotoxicity: The Dissociation of mRNA and Protein Expression in Hippocampus. <i>Biochemical and Biophysical Research Communications</i> , 1999, 259, 91-96.	2.1	20
51	Peroxiredoxin I protects gastric mucosa from oxidative injury induced by <i>Helicobacter pylori</i> infection. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2008, 23, 652-659.	2.8	20
52	Peroxiredoxin I null mice exhibits reduced acute lung inflammation following ozone exposure. <i>Journal of Biochemistry</i> , 2012, 152, 595-601.	1.7	20
53	Exercise habituation is effective for improvement of periodontal disease status: a prospective intervention study. <i>Therapeutics and Clinical Risk Management</i> , 2018, Volume 14, 565-574.	2.0	19
54	Prevention and regression of megamitochondria and steatosis by blocking mitochondrial fusion in the liver. <i>IScience</i> , 2022, 25, 103996.	4.1	19

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55	Peroxiredoxin I plays a protective role against cisplatin cytotoxicity through mitogen activated kinase signals. <i>Oral Oncology</i> , 2009, 45, 1037-1043.	1.5	18
56	Effects of kainate-mediated excitotoxicity on the expression of rat counterparts of A170 and MSP23 stress proteins in the brain. <i>Molecular Brain Research</i> , 1999, 69, 155-163.	2.3	17
57	Central role for p62/SQSTM1 in the elimination of toxic tau species in a mouse model of tauopathy. <i>Aging Cell</i> , 2022, 21, .	6.7	17
58	Presurgical Nasoalveolar Molding Orthopedic Treatment Improves the Outcome of Primary Cheiloplasty of Unilateral Complete Cleft Lip and Palate, as Assessed by Naris Morphology and Cleft Gap. <i>Journal of Craniofacial Surgery</i> , 2012, 23, 1596-1601.	0.7	15
59	p62/sequestosome-1 knockout delays neurodegeneration induced by Drp1 loss. <i>Neurochemistry International</i> , 2018, 117, 77-81.	3.8	15
60	Ultrasonographic assessment for response to radiochemotherapy of metastatic cervical lymph nodes in head and neck cancer: usefulness of grey-scale and color Doppler sonography. <i>Ultrasound in Medicine and Biology</i> , 2000, 26, 1081-1087.	1.5	14
61	Loss of p62 impairs bone turnover and inhibits PTH α -induced osteogenesis. <i>Journal of Cellular Physiology</i> , 2020, 235, 7516-7529.	4.1	14
62	SQSTM1/p62/A170 regulates the severity of <i>Legionella pneumophila</i> pneumonia by modulating inflammasome activity. <i>European Journal of Immunology</i> , 2014, 44, 1084-1092.	2.9	13
63	P62 deficiency shifts mesenchymal/stromal stem cell commitment toward adipogenesis and disrupts bone marrow homeostasis in aged mice. <i>Journal of Cellular Physiology</i> , 2019, 234, 16338-16347.	4.1	13
64	Gingival cancer suspected of producing granulocyte colony-stimulating factor: Report of a case. <i>Journal of Oral and Maxillofacial Surgery</i> , 2001, 59, 804-808.	1.2	12
65	Postoperative delirium after reconstructive surgery for oral tumor: a retrospective clinical study. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2020, 49, 1143-1148.	1.5	12
66	Essential role of autophagy in protecting neonatal haematopoietic stem cells from oxidative stress in a p62-independent manner. <i>Scientific Reports</i> , 2021, 11, 1666.	3.3	12
67	Is Lymph Node Ratio a Prognostic Factor for Patients With Oral Squamous Cell Carcinoma?. <i>Journal of Oral and Maxillofacial Surgery</i> , 2019, 77, 1510-1519.	1.2	12
68	IQSEC2 Deficiency Results in Abnormal Social Behaviors Relevant to Autism by Affecting Functions of Neural Circuits in the Medial Prefrontal Cortex. <i>Cells</i> , 2021, 10, 2724.	4.1	12
69	Transgenic over-expression of GATA-1 mutant lacking N-finger domain causes hemolytic syndrome in mouse erythroid cells. <i>Genes To Cells</i> , 2004, 10, 47-62.	1.2	11
70	Interleukin-4 receptor β -based hybrid peptide effectively induces antitumor activity in head and neck squamous cell carcinoma. <i>Oncology Reports</i> , 2013, 29, 2147-2153.	2.6	11
71	Risperidone Mitigates Enhanced Excitatory Neuronal Function and Repetitive Behavior Caused by an ASD-Associated Mutation of SIK1. <i>Frontiers in Molecular Neuroscience</i> , 2021, 14, 706494.	2.9	11
72	Peroxiredoxin 1 Contributes to Host Defenses against <i>Mycobacterium tuberculosis</i> . <i>Journal of Immunology</i> , 2016, 197, 3233-3244.	0.8	10

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73	MicroRNA 142-5p promotes tumor growth in oral squamous cell carcinoma via the PI3K/AKT pathway by regulating PTEN. <i>Heliyon</i> , 2021, 7, e08086.	3.2	10
74	Loss of cytokeratin 13 expression in squamous cell carcinoma of the tongue is a possible sign for local recurrence. <i>Journal of Experimental and Clinical Cancer Research</i> , 2007, 26, 215-20.	0.4	10
75	Amelioration of cisplatin-induced nephrotoxicity in peroxiredoxin I-deficient mice. <i>Cancer Chemotherapy and Pharmacology</i> , 2013, 71, 503-509.	2.3	9
76	Transplanted neural lineage cells derived from dental pulp stem cells promote peripheral nerve regeneration. <i>Human Cell</i> , 2022, 35, 462-471.	2.7	9
77	Cheilitis Glandularis: Two Case Reports of Asian-Japanese Men and Literature Review of Japanese Cases. <i>ISRN Dentistry</i> , 2011, 2011, 1-6.	1.5	8
78	Basal cell adenoma arising in a minor salivary gland of the palate. <i>Oral and Maxillofacial Surgery</i> , 2012, 16, 111-114.	1.3	8
79	Negative expression of N-acetylglucosaminyltransferase V in oral squamous cell carcinoma correlates with poor prognosis. <i>SpringerPlus</i> , 2013, 2, 657.	1.2	8
80	p62 modulates the intrinsic signaling of UVB-induced apoptosis. <i>Journal of Dermatological Science</i> , 2016, 83, 226-233.	1.9	8
81	Inhibition of DNA ligase IV enhances the CRISPR/Cas9-mediated knock-in efficiency in mouse brain neurons. <i>Biochemical and Biophysical Research Communications</i> , 2020, 533, 449-457.	2.1	8
82	An Epilepsy-Associated Mutation of Salt-Inducible Kinase 1 Increases the Susceptibility to Epileptic Seizures and Interferes with Adrenocorticotrophic Hormone Therapy for Infantile Spasms in Mice. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7927.	4.1	8
83	Angiosarcoma of the scalp diagnosed by the presence of neck inflammation: a case report. <i>International Journal of Oral Science</i> , 2012, 4, 166-169.	8.6	7
84	A novel method for evaluating postsurgical results of unilateral cleft lip and palate with the use of Hausdorff distance: presurgical orthopedic treatment improves nasal symmetry after primary cheiloplasty. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2012, 114, 704-711.	0.4	7
85	Prognosis for Gingival Carcinomas With a Delayed Diagnosis After Dental Extraction. <i>Journal of Oral and Maxillofacial Surgery</i> , 2013, 71, 2189-2194.	1.2	7
86	Targeting Interleukin-4 Receptor Alpha by Hybrid Peptide for Novel Biliary Tract Cancer Therapy. <i>International Journal of Hepatology</i> , 2014, 2014, 1-7.	1.1	7
87	A small number of residual teeth after the mandibular resection of oral cancer is associated with titanium reconstruction plate exposure. <i>Clinical and Experimental Dental Research</i> , 2019, 5, 469-475.	1.9	7
88	A Case of Primary Combined Squamous Cell Carcinoma with Neuroendocrine (Atypical Carcinoid) Tumor in the Floor of the Mouth. <i>Case Reports in Dentistry</i> , 2016, 2016, 1-6.	0.5	6
89	A Case of Brain Abscess Caused by Medication-Related Osteonecrosis of the Jaw. <i>Case Reports in Dentistry</i> , 2016, 2016, 1-4.	0.5	6
90	Is Preoperative Plate-Lymphocyte Ratio a Predictor of Deep Vein Thrombosis in Patients With Oral Cancer During Surgery?. <i>Journal of Oral and Maxillofacial Surgery</i> , 2021, 79, 914-924.	1.2	6

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91	Human Immunodeficiency Virus-Associated Burkitt's Lymphoma in Oral Cavity of Japanese Patient. Journal of Oral and Maxillofacial Surgery, 2012, 70, 1885-1890.	1.2	5
92	Presurgical Orthopedic Treatment Ameliorates Postoperative Nasal Deformity After Cheiloplasty. Annals of Plastic Surgery, 2013, 71, 170-175.	0.9	5
93	Inflammatory pseudotumor: report of a case in the mandible. Oral and Maxillofacial Surgery, 2012, 16, 65-68.	1.3	4
94	A Rare Primary Neuroendocrine Tumor (Typical Carcinoid) of the Sublingual Gland. Case Reports in Dentistry, 2016, 2016, 1-4.	0.5	4
95	The Association between D-Dimer and Prognosis in the Patients with Oral Cancer. Dentistry Journal, 2020, 8, 84.	2.3	4
96	Gender difference in development of steatohepatitis in p62/Sqstm1 and Nrf2 double-knockout mice. Experimental Animals, 2020, 69, 395-406.	1.1	4
97	Artificial cytokine storm combined with hyperthermia induces significant anti-tumor effect in mice inoculated with Lewis lung carcinoma and B16 melanoma cells. International Journal of Hyperthermia, 2006, 22, 699-712.	2.5	3
98	Usefulness of esophagogastroduodenoscopy and ^{18}F -fluorodeoxyglucose positron-emission tomography in detecting synchronous multiple primary cancers with oral cancer. Oral and Maxillofacial Surgery, 2017, 21, 391-396.	1.3	3
99	Association between p62 expression and clinicopathological characteristics in oral leukoplakia. Clinical and Experimental Dental Research, 2019, 5, 389-397.	1.9	3
100	Follow-up ultrasonography for late neck metastases of head and neck cancer. Ultrasound in Medicine and Biology, 2002, 28, 725-730.	1.5	2
101	Comparison of Postoperative Bleeding between Application of Polyglycolic Acid Sheet and Primary Closure in Tongue Cancer Patients with Partial Glossectomy. Dentistry Journal, 2020, 8, 85.	2.3	2
102	Incidental cervical lymph node metastasis of papillary thyroid cancer in neck dissection specimens from a tongue squamous cell carcinoma patient: a case report. Oral and Maxillofacial Surgery, 2021, 25, 127-132.	1.3	2
103	Nasal molding prevents relapse of nasal deformity after primary rhinoplasty in patients with unilateral complete cleft lip: An outcomes-based comparative study of palatal plate alone versus nasopalveolar molding. Clinical and Experimental Dental Research, 2021, , .	1.9	2
104	Severe Pulmonary Suppuration with Infection-Induced Systemic Inflammatory Response Syndrome following Tongue Cancer Surgery in a Patient Undergoing Tocilizumab Therapy for Rheumatoid Arthritis. Case Reports in Dentistry, 2014, 2014, 1-5.	0.5	1
105	Pulmonary Nodule in a Patient with Oral and Lung Cancer: Cryptococcus Infection. Dentistry Journal, 2019, 7, 102.	2.3	1
106	Two cases of superficial mucocele. Nihon Koku Geka Gakkai Zasshi, 2006, 52, 326-329.	0.0	1
107	A case of leiomyomatous hamartoma of the dorsum of the tongue. Nihon Koku Geka Gakkai Zasshi, 2008, 54, 453-457.	0.0	1
108	A case of metastasizing ameloblastoma of the mandible with multiple lung metastases in a young adult patient. Nihon Koku Geka Gakkai Zasshi, 2019, 65, 184-189.	0.0	1

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109	Quantitative analysis of global and regional cardiac performance in normal subjects and patients with coronary artery disease by rest/exercise radionuclide blood-pool study.. Japanese Circulation Journal, 1986, 50, 935-942.	1.0	0
110	Protective Roles of Nrf2 in Disease including Oral Disease. Journal of Oral Biosciences, 2005, 47, 126-134.	2.2	0
111	Modified MacFee Incision for Modified Radical Neck Dissection of Oral Cancer for Acceptable Aesthetic Results. Journal of Maxillofacial and Oral Surgery, 2020, 20, 696-699.	1.4	0
112	A case of superior vena cava syndrome presenting with cheek swelling as an initial symptom.. Nihon Koku Geka Gakkai Zasshi, 2002, 48, 28-30.	0.0	0
113	A case of synchronous double cancers of the tongue and esophagus. Nihon Koku Geka Gakkai Zasshi, 2003, 49, 268-271.	0.0	0
114	Clinical study of oral appliance therapy for obstructive sleep apnea syndrome. Nihon Koku Geka Gakkai Zasshi, 2016, 62, 395-403.	0.0	0
115	SQSTM1, a protective factor of SOD1-linked motor neuron disease, regulates the accumulation and distribution of ubiquitinated protein aggregates in neuron. Neurochemistry International, 2022, 158, 105364.	3.8	0