

Tetsushi Tsuruga

List of Publications by Year in descending order

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Version: 2024-02-01

89
papers

3,195
citations

159573

30
h-index

168376

53
g-index

97
all docs

97
docs citations

97
times ranked

4482
citing authors

#	ARTICLE	IF	CITATIONS
1	Iron homeostasis and iron-regulated ROS in cell death, senescence and human diseases. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2019, 1863, 1398-1409.	2.4	283
2	Apoptosis Signal-Regulating Kinase 1 in Stress and Immune Response. <i>Annual Review of Pharmacology and Toxicology</i> , 2008, 48, 199-225.	9.4	207
3	Requirement of Reactive Oxygen Species-dependent Activation of ASK1-p38 MAPK Pathway for Extracellular ATP-induced Apoptosis in Macrophage. <i>Journal of Biological Chemistry</i> , 2008, 283, 7657-7665.	3.4	170
4	The roles of ASK family proteins in stress responses and diseases. <i>Cell Communication and Signaling</i> , 2009, 7, 9.	6.5	163
5	The aspartyl protease DDI2 activates Nrf1 to compensate for proteasome dysfunction. <i>ELife</i> , 2016, 5, .	6.0	137
6	ASK1 and ASK2 differentially regulate the counteracting roles of apoptosis and inflammation in tumorigenesis. <i>EMBO Journal</i> , 2009, 28, 843-853.	7.8	119
7	Apoptosis Signal-regulating Kinase (ASK) 2 Functions as a Mitogen-activated Protein Kinase Kinase Kinase in a Heteromeric Complex with ASK1. <i>Journal of Biological Chemistry</i> , 2007, 282, 7522-7531.	3.4	115
8	SOD1 as a Molecular Switch for Initiating the Homeostatic ER Stress Response under Zinc Deficiency. <i>Molecular Cell</i> , 2013, 52, 75-86.	9.7	114
9	Activation mechanisms of ASK1 in response to various stresses and its significance in intracellular signaling. <i>Advances in Biological Regulation</i> , 2013, 53, 135-144.	2.3	103
10	Cold stress-induced ferroptosis involves the ASK1-p38 pathway. <i>EMBO Reports</i> , 2017, 18, 2067-2078.	4.5	99
11	Apoptosis signal-regulating kinase 1 as a therapeutic target. <i>Expert Opinion on Therapeutic Targets</i> , 2014, 18, 651-664.	3.4	82
12	Stress-Activated MAP Kinase Cascades in Cellular Senescence. <i>Current Medicinal Chemistry</i> , 2009, 16, 1229-1235.	2.4	77
13	The DEAH-Box RNA Helicase DHX15 Activates NF- κ B and MAPK Signaling Downstream of MAVS During Antiviral Responses. <i>Science Signaling</i> , 2014, 7, ra40.	3.6	77
14	Mitogen-activated protein kinases as key players in osmotic stress signaling. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2016, 1860, 2037-2052.	2.4	67
15	ASK3 responds to osmotic stress and regulates blood pressure by suppressing WNK1-SPAK/OSR1 signaling in the kidney. <i>Nature Communications</i> , 2012, 3, 1285.	12.8	66
16	A novel monoclonal antibody reveals a conformational alteration shared by amyotrophic lateral sclerosis-linked SOD1 mutants. <i>Annals of Neurology</i> , 2012, 72, 739-749.	5.3	65
17	Cells recognize osmotic stress through liquid-liquid phase separation lubricated with poly(ADP-ribose). <i>Nature Communications</i> , 2021, 12, 1353.	12.8	62
18	Roquin-2 Promotes Ubiquitin-Mediated Degradation of ASK1 to Regulate Stress Responses. <i>Science Signaling</i> , 2014, 7, ra8.	3.6	59

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19	ASK1 signalling regulates brown and beige adipocyte function. <i>Nature Communications</i> , 2016, 7, 11158.	12.8	59
20	A PP6-ASK3 Module Coordinates the Bidirectional Cell Volume Regulation under Osmotic Stress. <i>Cell Reports</i> , 2018, 22, 2809-2817.	6.4	54
21	Multiple transcripts of Ca ²⁺ channel β -subunits and a novel spliced variant of the β 1C-subunit in rat ductus arteriosus. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006, 290, H1660-H1670.	3.2	50
22	Apoptosis Signaling Kinases: From Stress Response to Health Outcomes. <i>Antioxidants and Redox Signaling</i> , 2011, 15, 719-761.	5.4	46
23	TRIM48 Promotes ASK1 Activation and Cell Death through Ubiquitination-Dependent Degradation of the ASK1-Negative Regulator PRMT1. <i>Cell Reports</i> , 2017, 21, 2447-2457.	6.4	45
24	CHIP-dependent termination of MEKK2 regulates temporal ERK activation required for proper hyperosmotic response. <i>EMBO Journal</i> , 2010, 29, 2501-2514.	7.8	44
25	Apoptosis Signal-regulating Kinase 1 (ASK1)-p38 Pathway-dependent Cytoplasmic Translocation of the Orphan Nuclear Receptor NR4A2 Is Required for Oxidative Stress-induced Necrosis. <i>Journal of Biological Chemistry</i> , 2015, 290, 10791-10803.	3.4	43
26	The mitochondrial Ca ²⁺ uptake regulator, MICU1, is involved in cold stress-induced ferroptosis. <i>EMBO Reports</i> , 2021, 22, e51532.	4.5	41
27	The ASK1-specific inhibitors K811 and K812 prolong survival in a mouse model of amyotrophic lateral sclerosis. <i>Human Molecular Genetics</i> , 2016, 25, 245-253.	2.9	40
28	ASK1 facilitates tumor metastasis through phosphorylation of an ADP receptor P2Y12 in platelets. <i>Cell Death and Differentiation</i> , 2017, 24, 2066-2076.	11.2	34
29	Loss of Hugel-1 Expression Associates With Lymph Node Metastasis in Endometrial Cancer. <i>Oncology Research</i> , 2007, 16, 431-435.	1.5	34
30	p38 MAPKs regulate the expression of genes in the dopamine synthesis pathway through phosphorylation of NR4A nuclear receptors. <i>Journal of Cell Science</i> , 2011, 124, 3006-3016.	2.0	33
31	Interleukin-17 is associated with expression of programmed cell death 1 ligand 1 in ovarian carcinoma. <i>Cancer Science</i> , 2019, 110, 3068-3078.	3.9	32
32	In Situ Single-Cell Western Blot on Adherent Cell Culture. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 13929-13934.	13.8	31
33	Automated system for diagnosing endometrial cancer by adopting deep-learning technology in hysteroscopy. <i>PLoS ONE</i> , 2021, 16, e0248526.	2.5	30
34	<i>In vivo</i> gene manipulation reveals the impact of stress-responsive MAPK pathways on tumor progression. <i>Cancer Science</i> , 2015, 106, 785-796.	3.9	29
35	ASK family kinases mediate cellular stress and redox signaling to circadian clock. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 3646-3651.	7.1	29
36	ASK family and cancer. <i>Advances in Biological Regulation</i> , 2017, 66, 72-84.	2.3	25

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37	Ser190 of β 1 subunit is required for the PKA-mediated enhancement of L-type Ca^{2+} channel currents but not for the negative shift of activation. <i>FEBS Letters</i> , 2001, 489, 87-91.	2.8	24
38	Application of artificial intelligence in gynecologic malignancies: A review. <i>Journal of Obstetrics and Gynaecology Research</i> , 2021, 47, 2577-2585.	1.3	23
39	The Ablation of Mitochondrial Protein Phosphatase Pgam5 Confers Resistance Against Metabolic Stress. <i>EBioMedicine</i> , 2016, 5, 82-92.	6.1	22
40	A small-molecule inhibitor of SOD1-Derlin-1 interaction ameliorates pathology in an ALS mouse model. <i>Nature Communications</i> , 2018, 9, 2668.	12.8	19
41	Radical hysterectomy with or without para-aortic lymphadenectomy for patients with stage IB2, IIA2, and IIB cervical cancer: outcomes for a series of 308 patients. <i>International Journal of Clinical Oncology</i> , 2016, 21, 359-366.	2.2	18
42	FGF21 Induced by the ASK1-p38 Pathway Promotes Mechanical Cell Competition by Attracting Cells. <i>Current Biology</i> , 2021, 31, 1048-1057.e5.	3.9	18
43	Minimization of curative surgery for treatment of early cervical cancer: a review. <i>Japanese Journal of Clinical Oncology</i> , 2015, 45, 611-616.	1.3	17
44	Osmotic stress induces the phosphorylation of WNK4 Ser575 via the p38MAPK-MK pathway. <i>Scientific Reports</i> , 2016, 6, 18710.	3.3	16
45	The histone methyltransferase SMYD2 is a novel therapeutic target for the induction of apoptosis in ovarian clear cell carcinoma cells. <i>Oncology Letters</i> , 2020, 20, 1-1.	1.8	15
46	Epigenetic Modifier SETD8 as a Therapeutic Target for High-Grade Serous Ovarian Cancer. <i>Biomolecules</i> , 2020, 10, 1686.	4.0	14
47	Targeting Epigenetic Regulators for Endometrial Cancer Therapy: Its Molecular Biology and Potential Clinical Applications. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2305.	4.1	14
48	The histone methyltransferase WHSC1 is regulated by EZH2 and is important for ovarian clear cell carcinoma cell proliferation. <i>BMC Cancer</i> , 2019, 19, 455.	2.6	13
49	Differentiation between ovarian metastasis from colorectal carcinoma and primary ovarian carcinoma: Evaluation of tumour markers and α -fetoprotein on computed tomography/magnetic resonance imaging. <i>European Journal of Radiology</i> , 2020, 124, 108823.	2.6	12
50	Multistate Markov Model to Predict the Prognosis of High-Risk Human Papillomavirus-Related Cervical Lesions. <i>Cancers</i> , 2020, 12, 270.	3.7	12
51	β -TrCP-dependent degradation of ASK1 suppresses the induction of the apoptotic response by oxidative stress. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018, 1862, 2271-2280.	2.4	11
52	The CCR4-NOT deadenylase complex safeguards thymic positive selection by down-regulating aberrant pro-apoptotic gene expression. <i>Nature Communications</i> , 2020, 11, 6169.	12.8	11
53	Production of an anti-angiogenic factor sFLT1 is suppressed via promoter hypermethylation of FLT1 gene in choriocarcinoma cells. <i>BMC Cancer</i> , 2020, 20, 112.	2.6	11
54	A Placebo-Controlled, Double-Blind Randomized (Phase IIB) Trial of Oral Administration with HPV16 E7-Expressing Lactobacillus, GLBL101c, for the Treatment of Cervical Intraepithelial Neoplasia Grade 2 (CIN2). <i>Vaccines</i> , 2021, 9, 329.	4.4	11

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55	Measurement of endometrial thickness by transvaginal ultrasonography to predict pathological response to medroxyprogesterone acetate in patients with grade 1 endometrioid adenocarcinoma. <i>Molecular and Clinical Oncology</i> , 2016, 4, 492-496.	1.0	10
56	Elevated placental histone H3K4 methylation via upregulated histone methyltransferases SETD1A and SMYD3 in preeclampsia and its possible involvement in hypoxia-induced pathophysiological process. <i>Placenta</i> , 2021, 115, 60-69.	1.5	10
57	Anti-tumor activity of dual inhibition of phosphatidylinositol 3-kinase and MDM2 against clear cell ovarian carcinoma. <i>Gynecologic Oncology</i> , 2019, 155, 331-339.	1.4	9
58	Usefulness of cell-free and concentrated ascites reinfusion therapy in the therapeutic management of advanced ovarian cancer patients with massive ascites. <i>International Journal of Clinical Oncology</i> , 2019, 24, 420-427.	2.2	9
59	A low preoperative albumin-to-globulin ratio is a negative prognostic factor in patients with surgically treated cervical cancer. <i>International Journal of Clinical Oncology</i> , 2021, 26, 980-985.	2.2	9
60	A systematic immunoprecipitation approach reinforces the concept of common conformational alterations in amyotrophic lateral sclerosis-linked SOD1 mutants. <i>Neurobiology of Disease</i> , 2015, 82, 478-486.	4.4	7
61	Mixed endometrioid and clear cell carcinoma arising from laparoscopic trocar site endometriosis. <i>Journal of Obstetrics and Gynaecology Research</i> , 2019, 45, 1613-1618.	1.3	7
62	In Situ Single-Cell Western Blot on Adherent Cell Culture. <i>Angewandte Chemie</i> , 2019, 131, 14067-14072.	2.0	6
63	Impact of endometriosis and adenomyosis on pregnancy outcomes. <i>Hypertension Research in Pregnancy</i> , 2019, 7, 50-55.	0.2	6
64	ASK1 promotes uterine inflammation leading to pathological preterm birth. <i>Scientific Reports</i> , 2020, 10, 1887.	3.3	6
65	KLHDC10 Deficiency Protects Mice against TNF α -Induced Systemic Inflammation. <i>PLoS ONE</i> , 2016, 11, e0163118.	2.5	6
66	Histone arginine methyltransferase CARM1 selective inhibitor TP-064 induces apoptosis in endometrial cancer. <i>Biochemical and Biophysical Research Communications</i> , 2022, 601, 123-128.	2.1	6
67	NAMPT-dependent NAD ⁺ salvage is crucial for the decision between apoptotic and necrotic cell death under oxidative stress. <i>Cell Death Discovery</i> , 2022, 8, 195.	4.7	6
68	Reconstructed uterine length is critical for the prevention of cervical stenosis following abdominal trachelectomy in cervical cancer patients. <i>Journal of Obstetrics and Gynaecology Research</i> , 2020, 46, 328-336.	1.3	5
69	ASK1 suppresses NK cell-mediated intravascular tumor cell clearance in lung metastasis. <i>Cancer Science</i> , 2021, 112, 1633-1643.	3.9	5
70	Recurrent malignant melanoma of the uterine cervix treated with anti-PD-1 antibodies and anti-CTLA-4 antibodies: A case report. <i>Molecular and Clinical Oncology</i> , 2022, 16, 63.	1.0	5
71	Prognosis of high-risk human papillomavirus-related cervical lesions: A hidden Markov model analysis of a single-center cohort in Japan. <i>Cancer Medicine</i> , 2022, 11, 664-675.	2.8	5
72	Desensitization strategy for hypersensitivity reactions to carboplatin in five patients with gynecological cancer. <i>Journal of Obstetrics and Gynaecology Research</i> , 2020, 46, 2298-2304.	1.3	4

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73	CT, MRI, and FDG-PET imaging findings of low-grade extrauterine endometrial stromal sarcoma arising from the mesentery: A case report. <i>Radiology Case Reports</i> , 2021, 16, 2774-2779.	0.6	4
74	Calcium signaling via voltage-dependent L-type Ca ²⁺ channels. <i>Signal Transduction</i> , 2004, 4, 195-205.	0.4	3
75	Usefulness of biopsy by office hysteroscopy for endometrial cancer: A case report. <i>Molecular and Clinical Oncology</i> , 2020, 13, 141-145.	1.0	3
76	mTOR-AKT Signaling in Cellular Clock Resetting Triggered by Osmotic Stress. <i>Antioxidants and Redox Signaling</i> , 2022, 37, 631-646.	5.4	3
77	Involvement of apoptosis signal-regulating kinase-1 in house dust mite-induced allergic asthma in mice. <i>Allergology International</i> , 2017, 66, S50-S52.	3.3	2
78	Staphylococcus aureus aggregation in the plasma fraction of silkworm hemolymph. <i>PLoS ONE</i> , 2019, 14, e0217517.	2.5	2
79	Functional cooperation between ASK1 and p21/Waf1/Cip1 in the balance of cell-cycle arrest, cell death and tumorigenesis of stressed keratinocytes. <i>Cell Death Discovery</i> , 2021, 7, 75.	4.7	2
80	Transiently elevated D-dimer levels post-concentrated ascites reinfusion therapy cannot be used to predict deep vein thrombosis/pulmonary embolism. <i>Journal of Obstetrics and Gynaecology Research</i> , 2022, 48, 817-823.	1.3	2
81	Effect of primary prophylaxis with pegfilgrastim in endometrial cancer patients treated with doxorubicin and cisplatin. <i>Taiwanese Journal of Obstetrics and Gynecology</i> , 2022, 61, 265-269.	1.3	2
82	mASKing cancer cells in a tumor microenvironment. <i>Cell Cycle</i> , 2018, 17, 139-140.	2.6	1
83	Genome-wide siRNA screening reveals that DCAF4-mediated ubiquitination of optineurin stimulates autophagic degradation of Cu,Zn-superoxide dismutase. <i>Journal of Biological Chemistry</i> , 2020, 295, 3148-3158.	3.4	1
84	Genetic diagnosis of pseudomyxoma peritonei originating from mucinous borderline tumor inside an ovarian teratoma. <i>BMC Medical Genomics</i> , 2022, 15, 51.	1.5	1
85	Recurrent cervical cancer with PD-L1 amplification treated with nivolumab: A case enrolled in the BELIEVE trial. <i>Journal of Obstetrics and Gynaecology Research</i> , 2022, , .	1.3	1
86	Management of a pregnant woman with hypouricemia: a case report. <i>Oxford Medical Case Reports</i> , 2019, 2019, omz035.	0.4	0
87	History of whole pelvis plus para-aortic radiation is a risk factor associated with febrile neutropenia during chemotherapy for recurrent cervical cancer. <i>International Journal of Clinical Oncology</i> , 2021, 26, 1759-1766.	2.2	0
88	Molecular functions of ASK family in diseases caused by stress-induced inflammation and apoptosis. <i>Journal of Biochemistry</i> , 2021, 169, 395-407.	1.7	0
89	ASKA technology-based pull-down method reveals a suppressive effect of ASK1 on the inflammatory NOD-RIPK2 pathway in brown adipocytes. <i>Scientific Reports</i> , 2021, 11, 22009.	3.3	0