Senji Shirasawa

List of Publications by Year
in descending order

90	3,507	186265 28	149698 56
papers	citations	h-index	g-index

91	91	91	5926
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Altered growth of human colon cancer cell lines disrupted at activated Ki-ras. Science, 1993, 260, 85-88.	12.6	598
2	Oncogenic events regulate tissue factor expression in colorectal cancer cells: implications for tumor progression and angiogenesis. Blood, 2005, 105, 1734-1741.	1.4	512
3	Competition between human cells by entosis. Cell Research, 2014, 24, 1299-1310.	12.0	180
4	Metabolic Alterations Caused by KRAS Mutations in Colorectal Cancer Contribute to Cell Adaptation to Glutamine Depletion by Upregulation of Asparagine Synthetase. Neoplasia, 2016, 18, 654-665.	5.3	100
5	EphA2 Expression Is a Key Driver of Migration and Invasion and a Poor Prognostic Marker in Colorectal Cancer. Clinical Cancer Research, 2016, 22, 230-242.	7.0	97
6	SNPs in the promoter of a B cell-specific antisense transcript, SAS-ZFAT, determine susceptibility to autoimmune thyroid disease. Human Molecular Genetics, 2004, 13, 2221-2231.	2.9	96
7	TGF-Î² Receptor Inactivation and Mutant Kras Induce Intestinal Neoplasms in Mice via a Î²-Catenin-Independent Pathway. Gastroenterology, 2009, 136, 1680-1688.e7.	1.3	91
8	ADAM17-Dependent c-MET-STAT3 Signaling Mediates Resistance to MEK Inhibitors in KRAS Mutant Colorectal Cancer. Cell Reports, 2014, 7, 1940-1955.	6.4	90
9	In Colorectal Cancer Cells With Mutant KRAS, SLC25A22-Mediated Glutaminolysis Reduces DNA Demethylation to Increase WNT Signaling, Stemness, and Drug Resistance. Gastroenterology, 2020, 159, 2163-2180.e6.	1.3	83
10	High expression of the longevity gene product SIRT1 and apoptosis induction by sirtinol in adult Tâ€cell leukemia cells. International Journal of Cancer, 2012, 131, 2044-2055.	5.1	79
11	Dermatitis due to epiregulin deficiency and a critical role of epiregulin in immune-related responses of keratinocyte and macrophage. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 13921-13926.	7.1	71
12	Regulation of ¹⁸F-FDG Accumulation in Colorectal Cancer Cells with Mutated KRAS. Journal of Nuclear Medicine, 2014, 55, 2038-2044.	5.0	65
13	Association of the T-cell regulatory gene CTLA4 with Gravesâ€™ disease and autoimmune thyroid disease in the Japanese. Journal of Human Genetics, 2004, 49, 166-168.	2.3	64
14	BRAF associated autophagy exploitation: BRAF and autophagy inhibitors synergise to efficiently overcome resistance of BRAF mutant colorectal cancer cells. Oncotarget, 2016, 7, 9188-9221.	1.8	59
15	Targeting Ras-Driven Cancer Cell Survival and Invasion through Selective Inhibition of DOCK1. Cell Reports, 2017, 19, 969-980.	6.4	51
16	The increased expression of periostin during early stages of prostate cancer and advanced stages of cancer stroma. Prostate, 2009, 69, 1398-1403.	2.3	50
17	Tespa1 is a novel component of mitochondria-associated endoplasmic reticulum membranes and affects mitochondrial calcium flux. Biochemical and Biophysical Research Communications, 2013, 433, 322-326.	2.1	48
18	Oncogenic Kras Promotes Chemotherapy-Induced Growth Factor Shedding via ADAM17. Cancer Research, 2011, 71, 1071-1080.	0.9	47

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19	Molecular Hierarchy of Heparin-Binding EGF-like Growth Factorâ€“Regulated Angiogenesis in Triple-Negative Breast Cancer. Molecular Cancer Research, 2013, 11, 506-517.	3.4	45
20	Inhibition of Phosphodiesterase-4 (PDE4) activity triggers luminal apoptosis and AKT dephosphorylation in a 3-D colonic-crypt model. Molecular Cancer, 2012, 11, 46.	19.2	42
21	ROS-induced cleavage of NHLRC2 by caspase-8 leads to apoptotic cell death in the HCT116 human colon cancer cell line. Cell Death and Disease, 2017, 8, 3218.	6.3	42
22	In vitro and clinical data analysis of Osteopontin as a prognostic indicator in colorectal cancer. Journal of Cellular and Molecular Medicine, 2018, 22, 4097-4105.	3.6	42
23	Transcriptional and metabolic rewiring of colorectal cancer cells expressing the oncogenic KRASG13D mutation. British Journal of Cancer, 2019, 121, 37-50.	6.4	41
24	ZFAT expression in B and T lymphocytes and identification of ZFAT-regulated genes. Genomics, 2008, 91, 451-457.	2.9	40
25	ZFAT is an antiapoptotic molecule and critical for cell survival in MOLTâ€4 cells. FEBS Letters, 2009, 583, 568-572.	2.8	35
26	Enhanced dependency of <scp>KRAS</scp>â€mutant colorectal cancer cells on <scp>RAD</scp>51â€dependent homologous recombination repair identified from genetic interactions in Saccharomyces cerevisiae. Molecular Oncology, 2017, 11, 470-490.	4.6	33
27	Three-dimensionally Specific Inhibition of DNA Repair-Related Genes by Activated KRAS in Colon Crypt Model. Neoplasia, 2010, 12, 397-IN5.	5.3	32
28	The Long Noncoding RNA OIP5-AS1 Is Involved in the Regulation of Cell Proliferation. Anticancer Research, 2018, 38, 77-81.	1.1	32
29	Analysis of KRAP expression and localization, and genes regulated by KRAP in a human colon cancer cell line. Journal of Human Genetics, 2007, 52, 978-984.	2.3	29
30	Immune-related zinc finger gene ZFAT is an essential transcriptional regulator for hematopoietic differentiation in blood islands. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 14199-14204.	7.1	28
31	Identification of independent risk loci for Gravesâ€™ disease within the MHC in the Japanese population. Journal of Human Genetics, 2011, 56, 772-778.	2.3	27
32	Therapeutic potential of combined BRAF/MEK blockade in BRAF-wild type preclinical tumor models. Journal of Experimental and Clinical Cancer Research, 2018, 37, 140.	8.6	27
33	Deregulated expression of KRAP, a novel gene encoding actin-interacting protein, in human colon cancer cells. Journal of Human Genetics, 2004, 49, 46-52.	2.3	25
34	MACC1 regulates Fas mediated apoptosis through STAT1/3 â€“ Mcl-1 signaling in solid cancers. Cancer Letters, 2017, 403, 231-245.	7.2	25
35	KRAS-induced actin-interacting protein regulates inositol 1,4,5-trisphosphate-receptor-mediated calcium release. Biochemical and Biophysical Research Communications, 2011, 408, 214-217.	2.1	24
36	ANRIL regulates the proliferation of human colorectal cancer cells in both two- and three-dimensional culture. Molecular and Cellular Biochemistry, 2016, 412, 141-146.	3.1	24

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37	Altered Energy Homeostasis and Resistance to Diet-Induced Obesity in KRAP-Deficient Mice. PLoS ONE, 2009, 4, e4240.	2.5	21
38	KRAS-induced actin-interacting protein is required for the proper localization of inositol 1,4,5-trisphosphate receptor in the epithelial cells. Biochemical and Biophysical Research Communications, 2011, 407, 438-443.	2.1	21
39	Resveratrol induces luminal apoptosis of human colorectal cancer HCT116 cells in three-dimensional culture. Anticancer Research, 2014, 34, 4551-5.	1.1	20
40	Oncogenic KRAS mutations enhance amino acid uptake by colorectal cancer cells via the hippo signaling effector YAP1. Molecular Oncology, 2021, 15, 2782-2800.	4.6	19
41	Genome-wide linkage analysis of type 2 diabetes mellitus reconfirms the susceptibility locus on 11p13â€“p12 in Japanese. Journal of Human Genetics, 2004, 49, 629-634.	2.3	18
42	Tespa1 is a novel inositol 1,4,5â€trisphosphate receptor binding protein in T and B lymphocytes. FEBS Open Bio, 2012, 2, 255-259.	2.3	18
43	Solution structures of the DNA-binding domains of immune-related zinc-finger protein ZFAT. Journal of Structural and Functional Genomics, 2015, 16, 55-65.	1.2	17
44	Determination of the critical region of KRAS-induced actin-interacting protein for the interaction with inositol 1,4,5-trisphosphate receptor. Biochemical and Biophysical Research Communications, 2011, 408, 282-286.	2.1	15
45	p120RasGAP Is a Mediator of Rho Pathway Activation and Tumorigenicity in the DLD1 Colorectal Cancer Cell Line. PLoS ONE, 2014, 9, e86103.	2.5	15
46	A novel resveratrol derivative selectively inhibits the proliferation of colorectal cancer cells with KRAS mutation. Molecular and Cellular Biochemistry, 2018, 442, 39-45.	3.1	15
47	Targeting the KRAS oncogene: Synthesis, physicochemical and biological evaluation of novel G-Quadruplex DNA binders. European Journal of Pharmaceutical Sciences, 2020, 149, 105337.	4.0	15
48	The Nuclear Zinc Finger Protein Zfat Maintains FoxO1 Protein Levels in Peripheral T Cells by Regulating the Activities of Autophagy and the Akt Signaling Pathway. Journal of Biological Chemistry, 2016, 291, 15282-15291.	3.4	14
49	Oncogenic Ras influences the expression of multiple lncRNAs. Cytotechnology, 2016, 68, 1591-1596.	1.6	14
50	Apremilast Induces Apoptosis of Human Colorectal Cancer Cells with Mutant KRAS. Anticancer Research, 2017, 37, 3833-3839.	1.1	14
51	Epipharyngeal Abrasive Therapy (EAT) Has Potential as a Novel Method for Long COVID Treatment. Viruses, 2022, 14, 907.	3.3	14
52	ZFAT is essential for endothelial cell assembly and the branch point formation of capillary-like structures in an angiogenesis model. Cellular and Molecular Biology Letters, 2010, 15, 541-50.	7.0	13
53	ZFAT plays critical roles in peripheral T cell homeostasis and its T cell receptor-mediated response. Biochemical and Biophysical Research Communications, 2012, 425, 107-112.	2.1	13
54	ZFAT binds to centromeres to control noncoding RNA transcription through the KAT2Bâ€“H4K8acâ€“BRD4 axis. Nucleic Acids Research, 2020, 48, 10848-10866.	14.5	13

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55	Establishment of a Three-dimensional Floating Cell Culture System for Screening Drugs Targeting KRAS-mediated Signaling Molecules. Anticancer Research, 2015, 35, 4453-9.	1.1	13
56	ZFAT is a critical molecule for cell survival in mouse embryonic fibroblasts. Cellular and Molecular Biology Letters, 2011, 16, 89-100.	7.0	12
57	Zfat-Deficiency Results in a Loss of CD3Î¶ Phosphorylation with Dysregulation of ERK and Egr Activities Leading to Impaired Positive Selection. PLoS ONE, 2013, 8, e76254.	2.5	12
58	In Hyperthermia Increased ERK and WNT Signaling Suppress Colorectal Cancer Cell Growth. Cancers, 2016, 8, 49.	3.7	12
59	Dual blockade of macropinocytosis and asparagine bioavailability shows synergistic anti-tumor effects on KRAS-mutant colorectal cancer. Cancer Letters, 2021, 522, 129-141.	7.2	12
60	Resveratrol Overcomes Cellular Resistance to Vemurafenib Through Dephosphorylation of AKT in BRAF-mutated Melanoma Cells. Anticancer Research, 2016, 36, 3585-9.	1.1	12
61	Zfatâ€Deficient CD4⁺CD8⁺ Doubleâ€Positive Thymocytes Are Susceptible to Apoptosis With Deregulated Activation of p38 and JNK. Journal of Cellular Biochemistry, 2015, 116, 149-157.	2.6	11
62	MEK162 Enhances Antitumor Activity of 5-Fluorouracil and Trifluridine in KRAS-mutated Human Colorectal Cancer Cell Lines. Anticancer Research, 2017, 37, 2831-2838.	1.1	11
63	A novel compound, ferulic acid-bound resveratrol, induces the tumor suppressor gene p15 and inhibits the three-dimensional proliferation of colorectal cancer cells. Molecular and Cellular Biochemistry, 2019, 462, 25-31.	3.1	10
64	Next Generation Lipophilic Bisphosphonate Shows Antitumor Effect in Colorectal Cancer In Vitro and In Vivo. Pathology and Oncology Research, 2020, 26, 1957-1969.	1.9	10
65	Roles of ZFAT in haematopoiesis, angiogenesis and cancer development. Anticancer Research, 2013, 33, 2833-7.	1.1	10
66	Pancreatic Hypertrophy in Ki-ras-Induced Actin-Interacting Protein Gene Knockout Mice. Pancreas, 2011, 40, 79-83.	1.1	9
67	The roles of ZFAT in thymocyte differentiation and homeostasis of peripheral naive T-cells. Anticancer Research, 2014, 34, 4489-95.	1.1	9
68	Marked Reduction in FoxO1 Protein by its Enhanced Proteasomal Degradation in Zfat-deficient Peripheral T-Cells. Anticancer Research, 2015, 35, 4419-23.	1.1	9
69	Identification of KRAP-expressing cells and the functional relevance of KRAP to the subcellular localization of IP3R in the stomach and kidney. International Journal of Molecular Medicine, 2012, 30, 1287-1293.	4.0	8
70	Molecular mechanisms of transcriptional regulation by the nuclear zinc-finger protein Zfat in T cells. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2016, 1859, 1398-1410.	1.9	8
71	Oncogenic RAS-induced downregulation of ATG12 is required for survival of malignant intestinal epithelial cells. Autophagy, 2018, 14, 134-151.	9.1	8
72	BRAF status modulates Interelukin-8 expression through a CHOP-dependent mechanism in colorectal cancer. Communications Biology, 2020, 3, 546.	4.4	8

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73	Tespa1 protein is phosphorylated in response to store-operated calcium entry. Biochemical and Biophysical Research Communications, 2013, 434, 162-165.	2.1	7
74	Embryonic Hematopoietic Progenitor Cells Reside in Muscle before Bone Marrow Hematopoiesis. PLoS ONE, 2015, 10, e0138621.	2.5	7
75	Recent advances in the association studies of autoimmune thyroid disease and the functional characterization of AITD-related transcription factor ZFAT. Japanese Journal of Clinical Immunology, 2010, 33, 66-72.	0.0	6
76	Mutant KRAS Promotes NKG2D⁺ T Cell Infiltration and CD155 Dependent Immune Evasion. Anticancer Research, 2020, 40, 4663-4674.	1.1	6
77	The transcriptional regulator Zfat is essential forÂmaintenance and differentiation of the adipocytes. Journal of Cellular Biochemistry, 2021, 122, 626-638.	2.6	5
78	An Alpha-kinase 2 Gene Variant Disrupts Filamentous Actin Localization in the Surface Cells of Colorectal Cancer Spheroids. Anticancer Research, 2017, 37, 3855-3862.	1.1	5
79	CENP-B promotes the centromeric localization of ZFAT to control transcription of noncoding RNA. Journal of Biological Chemistry, 2021, 297, 101213.	3.4	4
80	Synthesis of New Congeners of 1â€methylâ€3â€aminoisoquinolines, Evaluation of Their Cytotoxic Activity, In Silico and In Vitro Study of Their Molecular Targets as PDE4B. Chemical Biology and Drug Design, 2016, 87, 575-582.	3.2	3
81	Growth Suppression of Human Colorectal Cancer Cells with Mutated KRAS by 3-Deaza-cytarabine in 3D Floating Culture. Anticancer Research, 2018, 38, 4247-4256.	1.1	3
82	MK615 Suppresses Hypoxia Tolerance by Up-regulation of E-cadherin in Colorectal Cancer Cells With Mutant KRAS. Anticancer Research, 2020, 40, 4687-4694.	1.1	3
83	Growth Suppression of Cancer Spheroids With Mutated KRAS by Low-toxicity Compounds from Natural Products. Anticancer Research, 2021, 41, 4061-4070.	1.1	2
84	Effects of Aspergillus fumigatus Conidia on Apoptosis and Proliferation in an In Vitro Model of the Lung Microenvironment. Microorganisms, 2021, 9, 1435.	3.6	2
85	Apoptosis-inducing Factor, Mitochondrion-associated 2, Regulates Klf1 in a Mouse Erythroleukemia Cell Line. Anticancer Research, 2015, 35, 4493-9.	1.1	2
86	Zfat expression in ZsGreen reporter gene knockâ€in mice: Implications for a novel function of Zfat in definitive erythropoiesis. International Journal of Molecular Medicine, 2018, 42, 2595-2603.	4.0	1
87	Zfat Is Indispensable for the Development of Erythroid Cells in the Fetal Liver. Anticancer Research, 2019, 39, 4495-4502.	1.1	1
88	Dok2 likely down-regulates Klf1 in mouse erythroleukemia cells. Anticancer Research, 2014, 34, 4561-7.	1.1	1
89	DBA Lectin Binds to Highly Proliferative Mouse Erythroleukemia Cells. Anticancer Research, 2016, 36, 3625-33.	1.1	1
90	Suppression of serum-induced c-jun expression by activated Ki-ras in human colon cancer cells. Japanese Journal of Human Genetics, 1997, 42, 409-416.	0.8	0