Tomohiro Yano

List of Publications by Year
in descending order

110 papers	1,730 citations	236925 25 h-index	377865 34 g-index
111 all docs	111 docs citations	111 times ranked	1810 citing authors

#	Article	IF	Citations
1	Reduction of malignant phenotype of HEPG2 cell is associated with the expression of connexin 26 but not connexin 32. Carcinogenesis, 2001, 22, 1593-1600.	2.8	74
2	Peroxisome proliferator-activated receptor Î´ as a molecular target to regulate lung cancer cell growth. FEBS Letters, 2005, 579, 3829-3836.	2.8	63
3	Prostaglandin E2reinforces the activation of Ras signal pathway in lung adenocarcinoma cells via EP3. FEBS Letters, 2002, 518, 154-158.	2.8	58
4	Connexin32 as a tumor suppressor gene in a metastatic renal cell carcinoma cell line. Oncogene, 2005, 24, 3684-3690.	5.9	50
5	Negative growth control of osteosarcoma cell by Bowmanâ€“Birk protease inhibitor from soybean; involvement of connexin 43. Cancer Letters, 2007, 253, 249-257.	7.2	44
6	Induction of cytotoxicity in human lung adenocarcinoma cells by 6-O-carboxypropyl-Î±-tocotrienol, a redox-silent derivative of Î±-tocotrienol. International Journal of Cancer, 2005, 115, 839-846.	5.1	43
7	The effect of 6-methylthiohexyl isothiocyanate isolated from Wasabia japonica (wasabi) on 4-(methylnitrosamino)-1-(3-pyridyl)-1-buatnone-induced lung tumorigenesis in mice. Cancer Letters, 2000, 155, 115-120.	7.2	38
8	Down-Regulation of Connexin 32 Gene Expression through DNA Methylation in a Human Renal Cell Carcinoma Cell. American Journal of Nephrology, 2003, 23, 172-177.	3.1	37
9	Sesamol suppresses cyclooxygenase-2 transcriptional activity in colon cancer cells and modifies intestinal polyp development in ApcMin/+ mice. Journal of Clinical Biochemistry and Nutrition, 2014, 54, 95-101.	1.4	37
10	Prostaglandin E2 activates Src signaling in lung adenocarcinoma cell via EP3. Cancer Letters, 2004, 214, 115-120.	7.2	36
11	Negative growth control of renal cell carcinoma cell by connexin 32: Possible involvement of Her-2. Molecular Carcinogenesis, 2004, 40, 135-142.	2.7	35
12	Hypermethylation of the CpG island of connexin 32, a candiate tumor suppressor gene in renal cell carcinomas from hemodialysis patients. Cancer Letters, 2004, 208, 137-142.	7.2	35
13	Vitamin E inhibits cell proliferation and the activation of extracellular signal-regulated kinase during the promotion phase of lung tumorigenesis irrespective of antioxidative effect. Carcinogenesis, 2000, 21, 2129-2133.	2.8	34
14	Suppression of intestinal carcinogenesis in <i>Apc</i>-mutant mice by limonin. Journal of Clinical Biochemistry and Nutrition, 2015, 57, 39-43.	1.4	33
15	High Oleic Peanut Oil Modulates Promotion Stage in Lung Tumorigenesis of Mice Treated with Methyl Nitrosourea. Food Science and Technology Research, 2005, 11, 231-235.	0.6	32
16	Contribution of the Src family of kinases to the appearance of malignant phenotypes in renal cancer cells. Molecular Carcinogenesis, 2005, 43, 188-197.	2.7	32
17	A redox-silent analogue of tocotrienol inhibits hypoxic adaptation of lung cancer cells. Biochemical and Biophysical Research Communications, 2008, 365, 875-881.	2.1	32
18	Regulation of cellular invasion and matrix metalloproteinase activity in HepG2 cell by connexin 26 transfection. Molecular Carcinogenesis, 2001, 31, 101-109.	2.7	30

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19	A redox-silent analogue of tocotrienol acts as a potential cytotoxic agent against human mesothelioma cells. Life Sciences, 2009, 84, 650-656.	4.3	30
20	Combination Effect of Î´-Tocotrienol and Î³-Tocopherol on Prostate Cancer Cell Growth. Journal of Nutritional Science and Vitaminology, 2017, 63, 349-354.	0.6	29
21	The activation of K-ras gene at an early stage of lung tumorigenesis in mice. Cancer Letters, 1996, 107, 165-170.	7.2	28
22	Extracellular Signal-Regulated Kinase Mediates Renal Regeneration in Rats with Myoglobinuric Acute Renal Injury. Biochemical and Biophysical Research Communications, 1999, 254, 88-92.	2.1	28
23	Enhanced Effect of Connexin 43 on Cisplatin-Induced Cytotoxicity in Mesothelioma Cells. Journal of Pharmacological Sciences, 2009, 110, 466-475.	2.5	28
24	Connexin 32 potentiates vinblastine-induced cytotoxicity in renal cell carcinoma cells. Molecular Carcinogenesis, 2007, 46, 215-224.	2.7	27
25	Enhancing effect of connexin 32 gene on vinorelbine-induced cytotoxicity in A549 lung adenocarcinoma cells. Cancer Chemotherapy and Pharmacology, 2007, 60, 449-457.	2.3	27
26	Induction of Apoptosis in a Human Breast Cancer Cell Overexpressing ErbB-2 Receptor by Î±-Tocopheryloxybutyric Acid. The Japanese Journal of Pharmacology, 2002, 89, 417-421.	1.2	26
27	Activation of Epidermal Growth Factor Receptor in the Early Phase after Renal Ischemia-Reperfusion in Rat. Nephron, 1999, 81, 230-233.	1.8	25
28	The tocotrienolâ€rich fraction from rice bran enhances cisplatinâ€induced cytotoxicity in human mesothelioma H28 cells. Phytotherapy Research, 2010, 24, 1317-1321.	5.8	25
29	The enhancement of the oral bioavailability of Î³-tocotrienol in mice by Î³-cyclodextrin inclusion. Journal of Nutritional Biochemistry, 2011, 22, 1121-1126.	4.2	25
30	Yes is a central mediator of cell growth in malignant mesothelioma cells. Oncology Reports, 2012, 28, 1889-1893.	2.6	25
31	Regulation and Immunohistochemical Analysis of Stress Protein Heme Oxygenase-1 in Rat Kidney with Myoglobinuric Acute Renal Failure. Biochemical and Biophysical Research Communications, 1997, 240, 93-98.	2.1	24
32	Complexation of Tocotrienol with Î³-Cyclodextrin Enhances Intestinal Absorption of Tocotrienol in Rats. Bioscience, Biotechnology and Biochemistry, 2010, 74, 1452-1457.	1.3	24
33	Induction of heme oxygenase-1 in toxic renal injury: mercuric chloride-induced acute renal failure in rat. Toxicology Letters, 1998, 94, 57-64.	0.8	20
34	Annatto Tocotrienol Induces a Cytotoxic Effect on Human Prostate Cancer PC3 Cells via the Simultaneous Inhibition of Src and Stat3. Journal of Nutritional Science and Vitaminology, 2015, 61, 497-501.	0.6	20
35	Connexin 32 as an Anti-invasive and Anti-metastatic Gene in Renal Cell Carcinoma. Biological and Pharmaceutical Bulletin, 2006, 29, 1991-1994.	1.4	19
36	Suppressive Effect of Delta-Tocotrienol on Hypoxia Adaptation of Prostate Cancer Stem-like Cells. Anticancer Research, 2018, 38, 1391-1399.	1.1	19

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37	High oleic acid oil suppresses lung tumorigenesis in mice through the modulation of extracellular signal-regulated kinase cascade. Lipids, 2002, 37, 783-788.	1.7	18
38	A Src family inhibitor (PP1) potentiates tumor-suppressive effect of connexin 32 gene in renal cancer cells. Life Sciences, 2005, 76, 2711-2720.	4.3	18
39	Effect of Acerola Cherry Extract on Cell Proliferation and Activation of Ras Signal Pathway at the Promotion Stage of Lung Tumorigenesis in Mice.. Journal of Nutritional Science and Vitaminology, 2002, 48, 69-72.	0.6	17
40	Tumor-suppressive effect of connexin 32 in renal cell carcinoma from maintenance hemodialysis patients. Kidney International, 2003, 63, 381.	5.2	17
41	Association between Adherence to the Japanese Food Guide Spinning Top and Sleep Quality in College Students. Nutrients, 2018, 10, 1996.	4.1	17
42	Activation of extracellular signal-regulated kinase in lung tissues of mice treated with carcinogen. Life Sciences, 1998, 64, 229-236.	4.3	16
43	Connexin 32 down-regulates the fibrinolytic factors in metastatic renal cell carcinoma cells. Life Sciences, 2006, 78, 2249-2254.	4.3	16
44	Is vitamin E a useful agent to protect against oxy radical-promoted lung tumorigenesis in ddY mice?. Carcinogenesis, 1993, 14, 1133-1136.	2.8	15
45	The inhibitory effect of connexin 32 gene on metastasis in renal cell carcinoma. Molecular Carcinogenesis, 2008, 47, 403-409.	2.7	15
46	Synergistic effect of combined treatment with gamma-tocotrienol and statin on human malignant mesothelioma cells. Cancer Letters, 2013, 339, 116-127.	7.2	15
47	Inhibition of NF-kappaB transcriptional activity enhances fucoxanthinol-induced apoptosis in colorectal cancer cells. Genes and Environment, 2019, 41, 1.	2.1	15
48	The inhibitory effect of vitamin E on pulmonary polyamine biosynthesis, cell proliferation and carcinogenesis in mice. Biochimica Et Biophysica Acta - Molecular Cell Research, 1997, 1356, 35-42.	4.1	14
49	The inhibitory effect of vitamin E on 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone-induced lung tumorigenesis in mice based on the regulation of polyamine metabolism. Cancer Letters, 1998, 126, 173-178.	7.2	14
50	Î±-Tocopheryloxybutyric acid enhances necrotic cell death in breast cancer cells treated with chemotherapy agent. Cancer Letters, 2003, 201, 51-56.	7.2	14
51	Restoration of connexin 43 by Bowman-Birk protease inhibitor in M5076 bearing mice. Oncology Reports, 2005, 13, 1247-50.	2.6	14
52	The modulation effect of vitamin E on prostaglandin E2 level and ornithine decarboxylase activity at the promotion phase of lung tumorigenesis in mice. Biochemical Pharmacology, 1997, 53, 1757-1759.	4.4	13
53	The suppression of ornithine decarboxylase expression and cell proliferation at the promotion stage of lung tumorigenesis in mice by Î±-tocopheryloxybutyric acid. Biochemical Pharmacology, 2001, 61, 1177-1181.	4.4	13
54	A demethylating agent enhances chemosensitivity to vinblastine in a xenograft model of renal cell carcinoma. International Journal of Oncology, 2011, 38, 1653-61.	3.3	12

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55	Induction of the Connexin 32 Gene by Epigallocatechin-3-Gallate Potentiates Vinblastine-Induced Cytotoxicity in Human Renal Carcinoma Cells. Chemotherapy, 2013, 59, 192-199.	1.6	12
56	The Detection of Chemically Initiated Cells Having the Mutation of K-rasGene at an Early Stage of Lung Carcinogenesis in Mice. Analytical Biochemistry, 1997, 244, 187-189.	2.4	11
57	Cytotoxic Effect of the Her-2/Her-1 Inhibitor PKI-166 on Renal Cancer Cells Expressing the Connexin 32 Gene. Journal of Pharmacological Sciences, 2005, 97, 294-298.	2.5	11
58	Inhibition of Src activity enhances the tumor-suppressive effect of the connexin 32 gene in Caki-1 renal cancer cells. Oncology Reports, 2006, 15, 1359-65.	2.6	11
59	Regulation of methionine adenosyltransferase activity by the glutathione level in rat liver during ischemia-reperfusion. Surgery Today, 1999, 29, 1053-1058.	1.5	10
60	Involvement of NADPH oxidases in suppression of cyclooxygenase-2 promoter-dependent transcriptional activities by sesamol. Journal of Clinical Biochemistry and Nutrition, 2015, 56, 118-122.	1.4	10
61	Inhibitory effect of a redox-silent analogue of tocotrienol on hypoxia adaptation in prostate cancer cells. Anti-Cancer Drugs, 2017, 28, 289-297.	1.4	10
62	The repetitive activation of extracellular signal-regulated kinase is required for renal regeneration in rat. Life Sciences, 1998, 62, 2341-2347.	4.3	9
63	Effect of the unsaturation degree on browning reactions of peanut oil and other edible oils with proteins under storage and frying conditions. International Congress Series, 2002, 1245, 445-446.	0.2	9
64	Vitamin E acts as a useful chemopreventive agent to reduce spontaneous lung tumorigenesis in mice. Cancer Letters, 1994, 87, 205-210.	7.2	8
65	Effects of Vitamin E Deficiency and Glutathione Depletion on Stress Protein Heme Oxygenase 1 mRNA Expression in Rat Liver and Kidney. Biochemical Pharmacology, 1997, 54, 1081-1086.	4.4	8
66	A Redox-Silent Analogue of Tocotrienol Inhibits Cobalt(II) Chloride-Induced VEGF Expression via Yes Signaling in Mesothelioma Cells. Biological and Pharmaceutical Bulletin, 2014, 37, 865-870.	1.4	8
67	A Succinate Ether Derivative of Tocotrienol Enhances Dickkopf-1 Gene Expression through Epigenetic Alterations in Malignant Mesothelioma Cells. Pharmacology, 2018, 102, 26-36.	2.2	8
68	Restoration of connexin 43 by Bowman-Birk protease inhibitor in M5076 bearing mice. Oncology Reports, 0, , .	2.6	8
69	NK Cells Can Preferentially Target Prostate Cancer Stem-like Cells via the TRAIL/DR5 Signaling Pathway. Biomolecules, 2021, 11, 1702.	4.0	8
70	Enhancing effect of high dietary iron on lung tumorigenesis in mice. Cancer Letters, 1994, 76, 57-62.	7.2	7
71	The inhibitory effect of vitamin E on K-ras mutation at an early stage of lung carcinogenesis in mice. European Journal of Pharmacology, 1997, 323, 99-102.	3.5	7
72	New 2-Aryl-1,4-naphthoquinone-1-oxime Methyl Ether Compound Induces Microtubule Depolymerization and Subsequent Apoptosis. Journal of Pharmacological Sciences, 2012, 118, 467-478.	2.5	7

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73	Determination of tissue-specific interaction between vitamin C and vitamin Ein vivousing senescence marker protein-30 knockout mice as a vitamin C synthesis deficiency model. British Journal of Nutrition, 2022, 128, 993-1003.	2.3	6
74	The Inhibitory Effect of Vitamin E on Arachidonic Acid Metabolism during the Process of Urethane-Induced Lung Tumorigenesis in Mice.. Journal of Nutritional Science and Vitaminology, 1997, 43, 471-477.	0.6	5
75	Regenerative response in acute renal failure due to vitamin E deficiency and glutathione depletion in rats. Biochemical Pharmacology, 1998, 56, 543-546.	4.4	5
76	Expression patterns of connexin 26 and connexin 43 mRNA in canine benign and malignant mammary tumours. Veterinary Journal, 2006, 172, 178-180.	1.7	5
77	Effects of a single-dose administration of Bowman-Birk inhibitor concentrate on anti-proliferation and inhabitation of metastasis in M5076 ovarian sarcoma-bearing mice. Molecular Medicine Reports, 2008, 1, 903-7.	2.4	5
78	Sensitive quantitative assay for point mutations in the rat H-ras gene based on single nucleotide primer extension. Experimental and Therapeutic Medicine, 2010, 1, 657-661.	1.8	5
79	Bowman-Birk protease inhibitor from soybeans enhances cisplatin-induced cytotoxicity in human mesothelioma cells. Experimental and Therapeutic Medicine, 2011, 2, 719-724.	1.8	5
80	Redox-inactive Analogue of Tocotrienol as a Potential Anti-cancer Agent. Anti-Cancer Agents in Medicinal Chemistry, 2013, 13, 496-501.	1.7	5
81	A Redox-Inactive Derivative of Tocotrienol Suppresses Tumor Growth of Mesothelioma Cells in a Xenograft Model. Biological and Pharmaceutical Bulletin, 2019, 42, 1034-1037.	1.4	5
82	The Modulating Effect of Vitamin E on Active Oxygen Generation by Alveolar Macrophage Challenged with Different Stimuli.. Japanese Journal of Toxicology and Environmental Health, 1993, 39, 76-79.	0.1	4
83	Inhibition of Expression of Ornithine Decarboxylase by c-myc Antisense Oligonucleotide at the Promotion Stage of Lung Tumorigenesis in Mice. The Japanese Journal of Pharmacology, 2001, 87, 90-92.	1.2	4
84	Epigenetic inactivation of connexin 32 in renal cell carcinoma from hemodialytic patients. Kidney International, 2004, 65, 1519.	5.2	4
85	Combination Effect of Bowman-Birk Inhibitor and Î±-Tocopheryl Succinate on Prostate Cancer Stem-Like Cells. Journal of Nutritional Science and Vitaminology, 2019, 65, 272-277.	0.6	4
86	Redox-inactive analogue of tocotrienol as a potential anti-cancer agent. Anti-Cancer Agents in Medicinal Chemistry, 2013, 13, 496-501.	1.7	4
87	Cytotoxicity Induced by a Redox-silent Analog of Tocotrienol in Human Mesothelioma H2452 Cell Line via Suppression of Cap-dependent Protein Translation. Anticancer Research, 2016, 36, 1527-33.	1.1	4
88	Immunohistochemical analysis of heme oxygenaseâ€‡in rat liver after ischemia. IUBMB Life, 1997, 43, 551-556.	3.4	3
89	Connexin 32 expression reduces malignant phenotype in human A549 adenocarcinoma cells: Implication of Src involvement. Oncology Reports, 2006, 16, 1149.	2.6	3
90	Effects of Alpha-Connexin Carboxyl-Terminal Peptide (aCT1) and Bowman-Birk Protease Inhibitor (BBI) on Canine Oral Mucosal Melanoma (OMM) Cells. Frontiers in Veterinary Science, 2021, 8, 670451.	2.2	3

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91	A Redox-Silent Analogue of Tocotrienol May Break the Homeostasis of Proteasomes in Human Malignant Mesothelioma Cells by Inhibiting STAT3 and NRF1. International Journal of Molecular Sciences, 2022, 23, 2655.	4.1	3
92	Modulating effect of vitamin e on certain functions of alveolar macrophage. Nutrition Research, 1994, 14, 1387-1395.	2.9	2
93	Vitamin E Acts as a Useful Antioxidant to Protect Pulmonary Nuclei.. Japanese Journal of Toxicology and Environmental Health, 1994, 40, 193-196.	0.1	2
94	Preparation and functional analysis of gossypols having two carbohydrate appendages with enaminooxy linkages. Carbohydrate Research, 2018, 458-459, 67-76.	2.3	2
95	Salt Restriction Affects the Excretions of Minerals (Na, K, Ca, Mg, P and Zn) in the Second Voided Fasting Early Morning Urine. Journal of Nutritional Science and Vitaminology, 2019, 65, 142-147.	0.6	2
96	Dietary variety is associated with sleep efficiency in urban-dwelling older adults: A longitudinal study. Clinical Nutrition ESPEN, 2021, 41, 391-397.	1.2	2
97	Redox-inactive Analogue of Tocotrienol as a Potential Anti-cancer Agent. Anti-Cancer Agents in Medicinal Chemistry, 2013, 13, 496-501.	1.7	2
98	Active oxygen generation by alveolar macrophage in mice treated with carcinogen and promoter.. Journal of Toxicological Sciences, 1993, 18, 125-128.	1.5	1
99	The inhibitory effect of vitamin E feeding on polyamine synthesis and cell proliferation in lung tunorigenes is of mice. The Japanese Journal of Pharmacology, 1995, 67, 315.	1.2	1
100	The analysis of the process of renal regeneration in rats treated with mercury chloride. The Japanese Journal of Pharmacology, 1996, 71, 288.	1.2	1
101	Inhibition of Src activity enhances the tumor-suppressive effect of the connexin 32 gene in Caki-1 renal cancer cells. Oncology Reports, 2006, 15, 1359.	2.6	1
102	Connexin 43-dependent tumor-suppressing effect of the Bowman-Birk protease inhibitor on M5076 ovarian sarcoma-bearing mice. Molecular Medicine Reports, 2008, 1, 689-93.	2.4	1
103	Tocotrienol-rich fraction from annatto ameliorates expression of lysyl oxidase in human osteoblastic MG-63 cells. Bioscience, Biotechnology and Biochemistry, 2020, 84, 526-535.	1.3	1
104	Anticancer Effects of Tocotrienols and Tocopherols Irrespective of Antioxidative Properties. , 2008, , 171-183.		1
105	The Effect of Bowman-Birk Inhibitor from Soybeans on the Sensitivity of Prostate Cancer Stem-like Cells to Anti-androgen Agent. Food Science and Technology Research, 2020, 26, 553-559.	0.6	1
106	Is K-ras Point Mutation an Early Event in Lung Tumorigenesis of Mice?. Japanese Journal of Toxicology and Environmental Health, 1996, 42, 178-181.	0.1	0
107	Oxidative Stress on the Nuclei as a Factor Regulating the Susceptibility of Spontaneous Lung Tumorigenesis in Mice.. Japanese Journal of Toxicology and Environmental Health, 1996, 42, 87-91.	0.1	0
108	Connexin Genes as Promising Therapeutic Targets in Cancers. Current Pharmacogenomics and Personalized Medicine: the International Journal for Expert Reviews in Pharmacogenomics, 2007, 5, 314-318.	0.3	0

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109	BROMOBENZENE-INDUCED CLARA CELL DAMAGE: THE CONTRIBUTION OF CYTOCHROME P-450 SYSTEM LOCALIZED IN THE CLARA CELL. Journal of Toxicologic Pathology, 1990, 3, 223-230.	0.7	0
110	Inhibitory Effect of Vitamin E on Cellular Events Related to Lung Tumorigenesis in Mice. , 1997, , 436-439.		0