

# Tomohiro Osaki

## List of Publications by Year in descending order

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92  
papers

2,245  
citations

279701

23  
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243529

44  
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94  
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94  
docs citations

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times ranked

3252  
citing authors

#	ARTICLE	IF	CITATIONS
1	Chitin, Chitosan, and Its Derivatives for Wound Healing: Old and New Materials. <i>Journal of Functional Biomaterials</i> , 2015, 6, 104-142.	1.8	279
2	Anticancer and Anti-Inflammatory Properties of Chitin and Chitosan Oligosaccharides. <i>Journal of Functional Biomaterials</i> , 2015, 6, 33-49.	1.8	224
3	Preparation and Biomedical Applications of Chitin and Chitosan Nanofibers. <i>Journal of Biomedical Nanotechnology</i> , 2014, 10, 2891-2920.	0.5	172
4	Biological adhesive based on carboxymethyl chitin derivatives and chitin nanofibers. <i>Biomaterials</i> , 2015, 42, 20-29.	5.7	94
5	Prognostic Significance of the Preoperative Ratio of C-reactive Protein to Albumin and Neutrophil-Lymphocyte Ratio in Gastric Cancer Patients. <i>World Journal of Surgery</i> , 2018, 42, 1819-1825.	0.8	71
6	Anti-inflammatory effects of orally administered glucosamine oligomer in an experimental model of inflammatory bowel disease. <i>Carbohydrate Polymers</i> , 2015, 115, 448-456.	5.1	66
7	Effects of Oral Administration of Fucoïdan Extracted from <i>Cladosiphon okamuranus</i> on Tumor Growth and Survival Time in a Tumor-Bearing Mouse Model. <i>Marine Drugs</i> , 2012, 10, 2337-2348.	2.2	64
8	Size-Based Differentiation of Cancer and Normal Cells by a Particle Size Analyzer Assisted by a Cell-Recognition PC Software. <i>Biological and Pharmaceutical Bulletin</i> , 2018, 41, 487-503.	0.6	62
9	Favorable effects of superficially deacetylated chitin nanofibrils on the wound healing process. <i>Carbohydrate Polymers</i> , 2015, 123, 461-467.	5.1	61
10	Beneficial and preventive effect of chitin nanofibrils in a dextran sulfate sodium-induced acute ulcerative colitis model. <i>Carbohydrate Polymers</i> , 2012, 87, 1399-1403.	5.1	52
11	Anti-tumor properties of orally administered glucosamine and N-acetyl-d-glucosamine oligomers in a mouse model. <i>Carbohydrate Polymers</i> , 2014, 111, 783-787.	5.1	52
12	Evaluation of the effects of chitin nanofibrils on skin function using skin models. <i>Carbohydrate Polymers</i> , 2014, 101, 464-470.	5.1	49
13	±-Chitin nanofibrils improve inflammatory and fibrosis responses in inflammatory bowel disease mice model. <i>Carbohydrate Polymers</i> , 2012, 90, 197-200.	5.1	42
14	Preparation and biocompatibility of a chitin nanofiber/gelatin composite film. <i>International Journal of Biological Macromolecules</i> , 2017, 104, 1882-1889.	3.6	41
15	Suppressive Effects of N-Acetyl-d-Glucosamine on Rheumatoid Arthritis Mouse Models. <i>Inflammation</i> , 2012, 35, 1462-1465.	1.7	35
16	Hair growth-promoting activities of chitosan and surface-deacetylated chitin nanofibers. <i>International Journal of Biological Macromolecules</i> , 2019, 126, 11-17.	3.6	33
17	Genetic and serological surveillance for non-primate hepacivirus in horses in Japan. <i>Veterinary Microbiology</i> , 2015, 179, 219-227.	0.8	31
18	Chitin nanofibrils suppress skin inflammation in atopic dermatitis-like skin lesions in NC/Nga mice. <i>Carbohydrate Polymers</i> , 2016, 146, 320-327.	5.1	31

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19	Establishment of a canine mammary gland tumor cell line and characterization of its miRNA expression. <i>Journal of Veterinary Science</i> , 2016, 17, 385.	0.5	30
20	Bleomycin-Loaded pH-Sensitive Polymer-Lipid-Incorporated Liposomes for Cancer Chemotherapy. <i>Polymers</i> , 2018, 10, 74.	2.0	30
21	Bleomycin enhances the efficacy of sonodynamic therapy using aluminum phthalocyanine disulfonate. <i>Ultrasonics Sonochemistry</i> , 2016, 28, 161-168.	3.8	28
22	Efficacy of 5-Aminolevulinic Acid in Photodynamic Detection and Photodynamic Therapy in Veterinary Medicine. <i>Cancers</i> , 2019, 11, 495.	1.7	28
23	Anti-inflammatory effects of ozonated water in an experimental mouse model. <i>Biomedical Reports</i> , 2014, 2, 671-674.	0.9	26
24	Antitumor effects and blood flow dynamics after photodynamic therapy using benzoporphyrin derivative monoacid ring A in KLN205 and LM8 mouse tumor models. <i>Cancer Letters</i> , 2007, 248, 47-57.	3.2	24
25	The Safety and Anti-Tumor Effects of Ozonated Water in Vivo. <i>International Journal of Molecular Sciences</i> , 2015, 16, 25108-25120.	1.8	24
26	Oral Administration of Surface-Deacetylated Chitin Nanofibers and Chitosan Inhibit 5-Fluorouracil-Induced Intestinal Mucositis in Mice. <i>International Journal of Molecular Sciences</i> , 2017, 18, 279.	1.8	24
27	Efficacy of Antivasular Photodynamic Therapy Using Benzoporphyrin Derivative Monoacid Ring A (BPD-MA) in 14 Dogs with Oral and Nasal Tumors. <i>Journal of Veterinary Medical Science</i> , 2009, 71, 125-132.	0.3	22
28	Effects of Surface-Deacetylated Chitin Nanofibers in an Experimental Model of Hypercholesterolemia. <i>International Journal of Molecular Sciences</i> , 2015, 16, 17445-17455.	1.8	22
29	Systemic and local injections of lupeol inhibit tumor growth in a melanoma-bearing mouse model. <i>Biomedical Reports</i> , 2013, 1, 641-645.	0.9	21
30	A Basic Study of Photodynamic Therapy with Glucose-Conjugated Chlorin e6 Using Mammary Carcinoma Xenografts. <i>Cancers</i> , 2019, 11, 636.	1.7	21
31	Potential of Photodynamic Therapy Based on Sugar-Conjugated Photosensitizers. <i>Journal of Clinical Medicine</i> , 2021, 10, 841.	1.0	21
32	5-Aminolevulinic Acid Enhances Ultrasound-mediated Antitumor Activity via Mitochondrial Oxidative Damage in Breast Cancer. <i>Anticancer Research</i> , 2016, 36, 3607-12.	0.5	21
33	Intracellular localization and concentration as well as photodynamic effects of benzoporphyrin derivative monoacid ring A in four types of rodent tumor cells. <i>Cancer Letters</i> , 2006, 243, 281-292.	3.2	20
34	Onion peel tea ameliorates obesity and affects blood parameters in a mouse model of high-fat-diet-induced obesity. <i>Experimental and Therapeutic Medicine</i> , 2014, 7, 379-382.	0.8	20
35	Protective effects of galacturonic acid-rich vinegar brewed from Japanese pear in a dextran sodium sulfate-induced acute colitis model. <i>Journal of Functional Foods</i> , 2013, 5, 516-523.	1.6	19
36	Anti-inflammatory effects of cellulose nanofiber made from pear in inflammatory bowel disease model. <i>Bioactive Carbohydrates and Dietary Fibre</i> , 2014, 3, 1-10.	1.5	19

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37	Suppressive effects of cellulose nanofibers made from adlay and seaweed on colon inflammation in an inflammatory bowel-disease model. <i>Bioactive Carbohydrates and Dietary Fibre</i> , 2013, 2, 65-72.	1.5	16
38	Effects of Oral Administration of Chitin Nanofiber on Plasma Metabolites and Gut Microorganisms. <i>International Journal of Molecular Sciences</i> , 2015, 16, 21931-21949.	1.8	16
39	Metformin enhances the cytotoxicity of 5-aminolevulinic acid-mediated photodynamic therapy in vitro. <i>Oncology Letters</i> , 2017, 14, 1049-1053.	0.8	16
40	Antitumor effects of high-temperature hyperthermia on a glioma rat model. <i>Oncology Letters</i> , 2014, 7, 1007-1010.	0.8	15
41	Protective Effect of Chitin Urocanate Nanofibers against Ultraviolet Radiation. <i>Marine Drugs</i> , 2015, 13, 7463-7475.	2.2	15
42	Application of Pre-Column Labeling Liquid Chromatography for Canine Plasma-Free Amino Acid Analysis. <i>Metabolites</i> , 2016, 6, 3.	1.3	15
43	Artesunate Enhances the Cytotoxicity of 5-Aminolevulinic Acid-Based Sonodynamic Therapy against Mouse Mammary Tumor Cells In Vitro. <i>Molecules</i> , 2017, 22, 533.	1.7	15
44	Clinical systemic lupeol administration for canine oral malignant melanoma. <i>Molecular and Clinical Oncology</i> , 2015, 3, 89-92.	0.4	14
45	Sonodynamic therapy using 5-aminolevulinic acid enhances the efficacy of bleomycin. <i>Ultrasonics</i> , 2016, 67, 76-84.	2.1	12
46	Photodynamic detection of canine mammary gland tumours after oral administration of 5-aminolevulinic acid. <i>Veterinary and Comparative Oncology</i> , 2017, 15, 731-739.	0.8	12
47	Metabolomic Analyses of Blood Plasma after Oral Administration of D-Glucosamine Hydrochloride to Dogs. <i>Marine Drugs</i> , 2012, 10, 1873-1882.	2.2	11
48	Lipid bubbles combined with low-intensity ultrasound enhance the intratumoral accumulation and antitumor effect of pegylated liposomal doxorubicin in vivo. <i>Drug Delivery</i> , 2021, 28, 530-541.	2.5	11
49	Effects of Oral Glucosamine Hydrochloride Administration on Plasma Free Amino Acid Concentrations in Dogs. <i>Marine Drugs</i> , 2011, 9, 712-718.	2.2	10
50	Effects of fish scale collagen peptide on an experimental ulcerative colitis mouse model. <i>PharmaNutrition</i> , 2014, 2, 161-168.	0.8	10
51	Sonodynamic Antitumor Effect of Benzoporphyrin Derivative Monoacid Ring A on KLN205 Cells. <i>Journal of Cancer Therapy</i> , 2011, 02, 99-104.	0.1	10
52	Effects of photodynamic hyperthermal therapy with indocyanine green on tumor growth in a colon 26 tumor-bearing mouse model. <i>Oncology Letters</i> , 2014, 7, 1147-1150.	0.8	9
53	Antimalarial Drugs Enhance the Cytotoxicity of 5-Aminolevulinic Acid-Based Photodynamic Therapy against the Mammary Tumor Cells of Mice In Vitro. <i>Molecules</i> , 2019, 24, 3891.	1.7	9
54	Effect of Fucoidan Extracted from Mozuku on Experimental Cartilaginous Tissue Injury. <i>Marine Drugs</i> , 2012, 10, 2560-2570.	2.2	8

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55	Plasma free amino acid profiles of canine mammary gland tumors. <i>Journal of Veterinary Science</i> , 2012, 13, 433.	0.5	8
56	Role of Surgery in the Management for Gastric Cancer with Synchronous Distant Metastases. <i>Indian Journal of Surgical Oncology</i> , 2016, 7, 32-36.	0.3	8
57	Analysis of plasma free amino acid profiles in canine brain tumors. <i>Biomedical Reports</i> , 2017, 6, 195-200.	0.9	8
58	Effect of Chitin Nanofibril Combined in Rayon Animal Bedding on Hairless Mouse Skin and on a Three-Dimensional Culture Human Skin Model. <i>Journal of Chitin and Chitosan Science</i> , 2014, 2, 82-88.	0.3	8
59	Uterine torsion in a full-term pregnant cat. <i>Journal of Feline Medicine and Surgery Open Reports</i> , 2017, 3, 205511691772622.	0.1	7
60	The effect of remifentanyl on the minimum alveolar concentration (MAC) and MAC derivatives of sevoflurane in dogs. <i>Journal of Veterinary Medical Science</i> , 2018, 80, 1086-1093.	0.3	7
61	Maltotriose- $\alpha$ -Chlorin e6 Conjugate Linked via Tetraethyleneglycol as an Advanced Photosensitizer for Photodynamic Therapy. Synthesis and Antitumor Activities against Canine and Mouse Mammary Carcinoma Cells. <i>ACS Omega</i> , 2021, 6, 7023-7033.	1.6	7
62	Genetic Characterization of CTX-M-2-Producing <i>Klebsiella pneumoniae</i> and <i>Klebsiella oxytoca</i> Associated With Bovine Mastitis in Japan. <i>Frontiers in Veterinary Science</i> , 2021, 8, 659222.	0.9	7
63	Non-surgical treatment of canine oral malignant melanoma: A case study of the application of complementary alternative medicine. <i>Oncology Letters</i> , 2014, 7, 1829-1830.	0.8	6
64	Effects of photodynamic therapy with talaporfin sodium on squamous cell carcinoma and sarcoma cells. <i>Photodiagnosis and Photodynamic Therapy</i> , 2017, 18, 213-220.	1.3	6
65	Unilateral rostral mandibulectomy for gingival vascular hamartoma in two calves. <i>Journal of Veterinary Science</i> , 2018, 19, 582.	0.5	6
66	A Comparative Study Analysis of -Chitin and -Chitin Nanofibrils by Using an Inflammatory-Bowel Disease Mouse Model. <i>Journal of Chitin and Chitosan Science</i> , 2013, 1, 144-149.	0.3	6
67	A fundamental study of cryoablation on normal bone: Diagnostic imaging and histopathology. <i>Cryobiology</i> , 2014, 69, 229-235.	0.3	5
68	A Pilot Study on Efficacy of Lipid Bubbles for Theranostics in Dogs with Tumors. <i>Cancers</i> , 2020, 12, 2423.	1.7	5
69	Usefulness of palliative prognostic score in the treatment of patients with non-resectable gastric cancer. <i>Molecular and Clinical Oncology</i> , 2013, 1, 253-256.	0.4	4
70	Nasal tissue-derived hamartoma in the maxillary gingiva of a calf. <i>BMC Veterinary Research</i> , 2016, 12, 19.	0.7	4
71	Pilot Study of Probe-based Confocal Laser Endomicroscopy with Fluorescein-dripping Method for Liver Tumors. <i>Anticancer Research</i> , 2018, 38, 4775-4781.	0.5	4
72	Use of ozonated water as a new therapeutic approach to solve current concerns around antitumor treatment. <i>Experimental and Therapeutic Medicine</i> , 2018, 16, 1597-1602.	0.8	3

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73	Photodynamic detection of a feline meningioma using 5-aminolaevulinic acid hydrochloride. <i>Journal of Feline Medicine and Surgery Open Reports</i> , 2020, 6, 205511692090742.	0.1	3
74	Atorvastatin preferentially inhibits the growth of high ZEB-expressing canine cancer cells. <i>Veterinary and Comparative Oncology</i> , 2022, 20, 313-323.	0.8	3
75	High temperature hyperthermia treatment for canines exhibiting superficial tumors: A report of three cases. <i>Oncology Letters</i> , 2014, 8, 2055-2058.	0.8	2
76	Metabolomic Analysis of Blood Plasma after Oral Administration of N-acetyl-d-Glucosamine in Dogs. <i>Marine Drugs</i> , 2015, 13, 5007-5015.	2.2	2
77	Novel treatment for chronic pododermatitis in an Indian elephant ( <i>Elephas maximus indicus</i> ) with Molsa™ paste. <i>Journal of Veterinary Medical Science</i> , 2018, 80, 1834-1838.	0.3	2
78	Effects of TONS504 photodynamic therapy on mouse mammary tumor cells. <i>Oncology Letters</i> , 2018, 16, 2078-2084.	0.8	2
79	<i>Ajuga decumbens</i> stimulates mesenchymal stem cell differentiation and regenerates cartilage in a rabbit osteoarthritis model. <i>Experimental and Therapeutic Medicine</i> , 2018, 15, 4080-4088.	0.8	2
80	Triple nostrils in a calf. <i>Irish Veterinary Journal</i> , 2020, 73, 19.	0.8	2
81	Ultrasonography of sudden swollen tongue in a calf. <i>BMC Veterinary Research</i> , 2020, 16, 200.	0.7	2
82	Mechanism of Differential Susceptibility of Two (Canine Lung Adenocarcinoma) Cell Lines to 5-Aminolevulinic Acid-Mediated Photodynamic Therapy. <i>Cancers</i> , 2021, 13, 4174.	1.7	2
83	Photodynamic hyperthermal chemotherapy with indocyanine green in feline vaccine-associated sarcoma. <i>Oncology Letters</i> , 2015, 10, 2118-2122.	0.8	1
84	Photodynamic Therapy Mediated by a Novel Chlorin Derivative, TONS 501-Na, in EMT6 cells. <i>Anticancer Research</i> , 2017, 37, 1723-1728.	0.5	1
85	Outcome of Photodynamic Therapy With Diode Laser and Indocyanine Green Modified Liposome in Animal Spontaneous Occurring Tumors. <i>Nippon Laser Igakkaishi</i> , 2020, 40, 408-412.	0.0	1
86	Case Report: Ultrasonography and Magnetic Resonance Imaging of Anterior Segment Dysgenesis in a Calf. <i>Frontiers in Veterinary Science</i> , 2022, 9, 794255.	0.9	1
87	Palliative limb-sparing photodynamic therapy with chemotherapy in a dog with osteosarcoma of the proximal tibia. <i>Veterinary Record Case Reports</i> , 2018, 6, e000688.	0.1	0
88	A Case Report of Oncothermia for a Canine Brain Tumor. <i>Nippon Juishikai Zasshi Journal of the Japan Veterinary Medical Association</i> , 2018, 71, 303-306.	0.0	0
89	Imaging and pathological findings of intramedullary inflammatory pseudotumour in a miniature dachshund: a case report. <i>BMC Veterinary Research</i> , 2019, 15, 459.	0.7	0
90	The potential of enhancement of the EPR effect by modulation of microvascular permeability by the combination of ultrasound and microbubbles. <i>Drug Delivery System</i> , 2018, 33, 115-122.	0.0	0

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91	Histological Changes of Feline Mammary Carcinoma Treated by NPe6 HVJ-E PDT. Nippon Laser Igakkaishi, 2020, 40, 403-407.	0.0	0
92	Detection of squamous cell carcinoma of presumed pancreatic origin and its metastasis in a spotted seal ( <i>Phoca largha</i> ) using ultrasonography and computed tomography. Journal of Veterinary Medical Science, 2022, 84, .	0.3	0