Yoshihiro Nakajima

List of Publications by Year
in descending order

74	2,570	212478 28	232693 48
papers	citations	h-index	g-index

74	74	74	3815
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Interleukin-1Î² released from macrophages stimulated with indium tin oxide nanoparticles induces epithelial-mesenchymal transition in A549 cells. Environmental Science: Nano, 2022, 9, 1489-1508.	2.2	2
2	Effect of Electrolyte Concentration on Cell Sensing by Measuring Ionic Current Waveform through Micropores. Biosensors, 2021, 11, 78.	2.3	2
3	Bioluminescence Measurement of Time-Dependent Dynamic Changes of CYP-Mediated Cytotoxicity in CYP-Expressing Luminescent HepG2 Cells. International Journal of Molecular Sciences, 2021, 22, 2843.	1.8	2
4	Application of Micropore Device for Accurate, Easy, and Rapid Discrimination of Saccharomyces pastorianus from Dekkera spp.. Biosensors, 2021, 11, 272.	2.3	1
5	Novel and Stable Dual-Color IL-6 and IL-10 Reporters Derived from RAW 264.7 for Anti-Inflammation Screening of Natural Products. International Journal of Molecular Sciences, 2019, 20, 4620.	1.8	6
6	Trehalose attenuates development of nonalcoholic steatohepatitis associated with type 2 diabetes in TSOD mouse. Journal of Functional Foods, 2019, 56, 303-311.	1.6	5
7	Human and mouse artificial chromosome technologies for studies of pharmacokinetics and toxicokinetics. Drug Metabolism and Pharmacokinetics, 2018, 33, 17-30.	1.1	19
8	Bioluminescenceâ€based cytotoxicity assay for simultaneous evaluation of cell viability and membrane damage in human hepatoma HepG2 cells. Luminescence, 2018, 33, 616-624.	1.5	4
9	Function Control of Anti-microRNA Oligonucleotides Using Interstrand Cross-Linked Duplexes. Molecular Therapy - Nucleic Acids, 2018, 10, 64-74.	2.3	28
10	Real-time monitoring of IL-6 and IL-10 reporter expression for anti-inflammation activity in live RAW 264.7â€¯cells. Biochemical and Biophysical Research Communications, 2018, 505, 885-890.	1.0	20
11	Reactive oxygen species independent genotoxicity of indium tin oxide nanoparticles triggered by intracellular degradation. Food and Chemical Toxicology, 2018, 118, 264-271.	1.8	12
12	Yuzu (<i>Citrus junos</i> Tanaka) Peel Attenuates Dextran Sulfate Sodium-induced Murine Experimental Colitis. Journal of Oleo Science, 2018, 67, 335-344.	0.6	18
13	Correlation between luminescence intensity and cytotoxicity in cell-based cytotoxicity assay using luciferase. Analytical Biochemistry, 2017, 522, 18-29.	1.1	11
14	Enhanced in-cell folding of reversibly cationized transcription factor using amphipathic peptide. Journal of Bioscience and Bioengineering, 2017, 123, 419-424.	1.1	4
15	Dissociation of Per1 and Bmal1 circadian rhythms in the suprachiasmatic nucleus in parallel with behavioral outputs. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E3699-E3708.	3.3	63
16	Effect of calcium carbonate particle shape on phagocytosis and pro-inflammatory response in differentiated THP-1 macrophages. Biochemical and Biophysical Research Communications, 2017, 490, 499-505.	1.0	18
17	A Novel Dual-Color Luciferase Reporter Assay for Simultaneous Detection of Estrogen and Aryl Hydrocarbon Receptor Activation. Chemical Research in Toxicology, 2017, 30, 1436-1447.	1.7	12
18	Antioxidant properties of 5-hydroxy-4-phenyl-butenolide via activation of Nrf2/ARE signaling pathway. Food and Chemical Toxicology, 2017, 107, 129-137.	1.8	20

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19	Continuous long-term cytotoxicity monitoring in 3D spheroids of beetle luciferase-expressing hepatocytes by nondestructive bioluminescence measurement. BMC Biotechnology, 2017, 17, 54.	1.7	14
20	Antioxidative and Antidiabetic Effects of Natural Polyphenols and Isoflavones. Molecules, 2016, 21, 708.	1.7	185
21	Involvement of splenic iron accumulation in the development of nonalcoholic steatohepatitis in Tsumura Suzuki Obese Diabetes mice. Scientific Reports, 2016, 6, 22476.	1.6	17
22	Development of N- and O-linked oligosaccharide engineeredÂSaccharomycescerevisiaestrain. Glycobiology, 2016, 26, 1248-1256.	1.3	2
23	Intracellular accumulation of indium ions released from nanoparticles induces oxidative stress, proinflammatory response and DNA damage. Journal of Biochemistry, 2016, 159, 225-237.	0.9	33
24	Spatiotemporal profiles of arginine vasopressin transcription in cultured suprachiasmatic nucleus. European Journal of Neuroscience, 2015, 42, 2678-2689.	1.2	30
25	Radical-scavenging Activity and Antioxidative Effects of Olive Leaf Components Oleuropein and Hydroxytyrosol in Comparison with Homovanillic Alcohol. Journal of Oleo Science, 2015, 64, 793-800.	0.6	36
26	Highly sensitive luciferase reporter assay using a potent destabilization sequence of calpain 3. Journal of Biotechnology, 2015, 194, 115-123.	1.9	14
27	Optimization of the IL-8 Luc assay as an in vitro test for skin sensitization. Toxicology in Vitro, 2015, 29, 1816-1830.	1.1	39
28	Oleuropein-Rich Diet Attenuates Hyperglycemia and Impaired Glucose Tolerance in Type 2 Diabetes Model Mouse. Journal of Agricultural and Food Chemistry, 2015, 63, 6715-6722.	2.4	49
29	In vitro evaluation of the cellular effect of indium tin oxide nanoparticles using the human lung adenocarcinoma A549 cells. Metallomics, 2015, 7, 816-827.	1.0	33
30	Switching from singlet-oxygen-mediated oxidation to free-radical-mediated oxidation in the pathogenesis of type 2 diabetes in model mouse. Free Radical Research, 2015, 49, 133-138.	1.5	22
31	The Impact of HIF1Î± on the Per2 Circadian Rhythm in Renal Cancer Cell Lines. PLoS ONE, 2014, 9, e109693.	1.1	32
32	Type 2 diabetes model TSOD mouse is exposed to oxidative stress at young age. Journal of Clinical Biochemistry and Nutrition, 2014, 55, 216-220.	0.6	13
33	Development of an Artificial Calcium-Dependent Transcription Factor To Detect Sustained Intracellular Calcium Elevation. ACS Synthetic Biology, 2014, 3, 717-722.	1.9	7
34	Dual-color bioluminescence imaging assay using green- and red-emitting beetle luciferases at subcellular resolution. Analytical and Bioanalytical Chemistry, 2014, 406, 5735-5742.	1.9	16
35	Regional circadian period difference in the suprachiasmatic nucleus of the mammalian circadian center. European Journal of Neuroscience, 2013, 38, 2832-2841.	1.2	28
36	Surface Functionalization of a Polymeric Lipid Bilayer for Coupling a Model Biological Membrane with Molecules, Cells, and Microstructures. Langmuir, 2013, 29, 2722-2730.	1.6	13

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37	Monitoring circadian time in rat plasma using a secreted Cypridina luciferase reporter. Analytical Biochemistry, 2013, 439, 80-87.	1.1	15
38	Protease-DeficientSaccharomycescerevisiaeStrains for the Synthesis of Human-Compatible Glycoproteins. Bioscience, Biotechnology and Biochemistry, 2013, 77, 2461-2466.	0.6	23
39	Real-Time Analysis of the Circadian Oscillation of the Rev-Erb ^|^beta; Promoter. Journal of Atherosclerosis and Thrombosis, 2013, 20, 267-276.	0.9	5
40	Genetic Organization of thehrpGene Cluster inAcidovorax avenaeStrain N1141 and a Novel Effector Protein That Elicits Immune Responses in Rice (Oryza sativaL.). Bioscience, Biotechnology and Biochemistry, 2012, 76, 129-138.	0.6	5
41	Period Coding of Bmal1 Oscillators in the Suprachiasmatic Nucleus. Journal of Neuroscience, 2012, 32, 8900-8918.	1.7	63
42	Photothermic regulation of gene expression triggered by laser-induced carbon nanohorns. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 7523-7528.	3.3	96
43	A Dual-Color Luciferase Assay System Reveals Circadian Resetting of Cultured Fibroblasts by Co-Cultured Adrenal Glands. PLoS ONE, 2012, 7, e37093.	1.1	29
44	InÂVivo Monitoring of Peripheral Circadian Clocks in the Mouse. Current Biology, 2012, 22, 1029-1034.	1.8	162
45	An In Vitro Test to Screen Skin Sensitizers Using a Stable THP-1â€“Derived IL-8 Reporter Cell Line, THP-G8. Toxicological Sciences, 2011, 124, 359-369.	1.4	70
46	Enhanced redâ€emitting railroad worm luciferase for bioassays and bioimaging. Protein Science, 2010, 19, 26-33.	3.1	32
47	Applications of luciferin biosynthesis: Bioluminescence assays for l-cysteine and luciferase. Analytical Biochemistry, 2010, 396, 316-318.	1.1	18
48	Quantum Yields and Kinetics of the Firefly Bioluminescence Reaction of Beetle Luciferases. Photochemistry and Photobiology, 2010, 86, 1046-1049.	1.3	83
49	Enhanced Beetle Luciferase for High-Resolution Bioluminescence Imaging. PLoS ONE, 2010, 5, e10011.	1.1	100
50	Bioluminescence imaging of dual gene expression at the single-cell level. BioTechniques, 2010, 48, 460-462.	0.8	29
51	A Promoter in the Novel Exon of hPPARÎ³ Directs the Circadian Expression of PPARÎ³. Journal of Atherosclerosis and Thrombosis, 2010, 17, 73-83.	0.9	34
52	Coactivation of the CLOCKâ€“BMAL1 complex by CBP mediates resetting of the circadian clock. Journal of Cell Science, 2010, 123, 3547-3557.	1.2	97
53	Dual-Color Luciferase Mouse Directly Demonstrates Coupled Expression of Two Clock Genes. Biochemistry, 2010, 49, 8053-8061.	1.2	46
54	Bioluminescence assays: multicolor luciferase assay, secreted luciferase assay and imaging luciferase assay. Expert Opinion on Drug Discovery, 2010, 5, 835-849.	2.5	43

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55	The molecular mechanism regulating the autonomous circadian expression of Topoisomerase I in NIH3T3 cells. Biochemical and Biophysical Research Communications, 2009, 380, 22-27.	1.0	9
56	Simultaneous monitoring of independent gene expression patterns in two types of cocultured fibroblasts with different color-emitting luciferases. BMC Biotechnology, 2008, 8, 40.	1.7	34
57	Tip60 Is Regulated by Circadian Transcription Factor Clock and Is Involved in Cisplatin Resistance. Journal of Biological Chemistry, 2008, 283, 18218-18226.	1.6	75
58	Luciferase-YFP fusion tag with enhanced emission for single-cell luminescence imaging. Nature Methods, 2007, 4, 637-639.	9.0	105
59	New reporter system forPer1andBmal1expressions revealed self-sustained circadian rhythms in peripheral tissues. Genes To Cells, 2006, 11, 1173-1182.	0.5	53
60	Multicolor luciferase assay system: one-step monitoring of multiple gene expressions with a single substrate. BioTechniques, 2005, 38, 891-894.	0.8	88
61	A new additional reporter enzyme, dinoflagellate luciferase, for monitoring of gene expression in mammalian cells. Gene, 2005, 344, 61-66.	1.0	13
62	Improved Expression of Novel Red- and Green-emitting Luciferases ofPhrixothrixRailroad Worms in Mammalian Cells. Bioscience, Biotechnology and Biochemistry, 2004, 68, 948-951.	0.6	24
63	cDNA Cloning and Characterization of a Secreted Luciferase from the Luminous Japanese Ostracod,Cypridina noctiluca. Bioscience, Biotechnology and Biochemistry, 2004, 68, 565-570.	0.6	101
64	Bidirectional role of orphan nuclear receptor RORÎ± in clock gene transcriptions demonstrated by a novel reporter assay system. FEBS Letters, 2004, 565, 122-126.	1.3	76
65	Cloning and Characterization of an Active Fragment of Luciferase from a Luminescent Marine Alga, Pyrocystis lunulaÂ¶. Photochemistry and Photobiology, 2002, 75, 311.	1.3	10
66	Assembly of plasmid DNA and chromatophore inRhodospirillum rubrum. Protoplasma, 2000, 214, 158-165.	1.0	1
67	Flagellin from an Incompatible Strain of Pseudomonas avenae Induces a Resistance Response in Cultured Rice Cells. Journal of Biological Chemistry, 2000, 275, 32347-32356.	1.6	113
68	Occupation of the QB-binding Pocket by a Photosystem II Inhibitor Triggers Dark Cleavage of the D1 Protein Subjected to Brief Preillumination. Journal of Biological Chemistry, 1996, 271, 17383-17389.	1.6	16
69	Differential Effects of Urea/Triazine-type and Phenol-type Photosystem II Inhibitors on Inactivation of the Electron Transport and Degradation of the D1 Protein during Photoinhibition. Plant and Cell Physiology, 1996, 37, 673-680.	1.5	33
70	Characteristic changes of function and structure of Photosystem II during strong-light photoinhibition under aerobic conditions. Biochimica Et Biophysica Acta - Bioenergetics, 1995, 1229, 239-248.	0.5	13
71	Selective and specific degradation of the D 1 protein induced by binding of a novel Photosystem II inhibitor to the QB site. Biochimica Et Biophysica Acta - Bioenergetics, 1995, 1230, 38-44.	0.5	15
72	Photosystem II Inhibition bys-Triazines Having Hydrophilic Amino Groups. Bioscience, Biotechnology and Biochemistry, 1995, 59, 2170-2171.	0.6	1

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73	Simple and Rapid Screening Method for Photosystem II Inhibitory Herbicides Using Photoautotrophically Cultured Plant Cells with Chlorophyll Fluorescence Monitoring. Bioscience, Biotechnology and Biochemistry, 1993, 57, 1389-1390.	0.6	8
74	Structure-activity relationships in photosystem II inhibition by 5-acyl-3-(1-aminoalkylidene)-4-hydroxy-2H-pyran-2,6(3H)-dione derivatives. Pesticide Biochemistry and Physiology, 1991, 41, 288-295.	1.6	2