Koichi Matsuo

List of Publications by Year
in descending order

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93	7,740	125106 35	58552 86
papers	citations	h-index	g-index

99	99	99	9221
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Lipopolysaccharides affect compressed periodontal ligament cells via Ephâ€“ephrin signaling. Oral Diseases, 2022, 28, 1662-1673.	1.5	5
2	High-energy x-ray nanotomography introducing an apodization Fresnel zone plate objective lens. Review of Scientific Instruments, 2021, 92, 023701.	0.6	25
3	Odontoblast death drives cell-rich zone-derived dental tissue regeneration. Bone, 2021, 150, 116010.	1.4	4
4	Bilaterally Asymmetric Helical Myofibrils in Ascidian Tadpole Larvae. Frontiers in Cell and Developmental Biology, 2021, 9, 800455.	1.8	1
5	Development of x-ray phase tomographic microscope based on Talbot interferometer at BL37XU, SPring-8. AIP Advances, 2020, 10, .	0.6	8
6	Hypermineralization of Hearing-Related Bones by a Specific Osteoblast Subtype. Journal of Bone and Mineral Research, 2020, 36, 1535-1547.	3.1	9
7	Fos-related antigen-1 transgenic mouse as a model for systemic sclerosis: A potential role of M2 polarization. Journal of Scleroderma and Related Disorders, 2019, 4, 137-148.	1.0	0
8	Parathyroid Hormone Shifts Cell Fate of a Leptin Receptor-Marked Stromal Population from Adipogenic to Osteoblastic Lineage. Journal of Bone and Mineral Research, 2019, 34, 1952-1963.	3.1	35
9	Trans-pairing between osteoclasts and osteoblasts shapes the cranial base during development. Scientific Reports, 2019, 9, 1956.	1.6	5
10	Innervation of the tibial epiphysis through the intercondylar foramen. Bone, 2019, 120, 297-304.	1.4	16
11	Bone Marrow Cells Inhibit BMP-2-Induced Osteoblast Activity in the Marrow Environment. Journal of Bone and Mineral Research, 2019, 34, 327-332.	3.1	10
12	Effects of long-term cigarette smoke exposure on bone metabolism, structure, and quality in a mouse model of emphysema. PLoS ONE, 2018, 13, e0191611.	1.1	26
13	Protective efficacy of a hydroxy fatty acid against gastric Helicobacter infections. Helicobacter, 2017, 22, e12430.	1.6	23
14	Dissection of the Auditory Bulla in Postnatal Mice: Isolation of the Middle Ear Bones and Histological Analysis. Journal of Visualized Experiments, 2017, , .	0.2	7
15	Osteogenic Factor Runx2 Marks a Subset of Leptin Receptor-Positive Cells that Sit Atop the Bone Marrow Stromal Cell Hierarchy. Scientific Reports, 2017, 7, 4928.	1.6	38
16	Simvastatin-Induced Apoptosis in Osteosarcoma Cells: A Key Role of RhoA-AMPK/p38 MAPK Signaling in Antitumor Activity. Molecular Cancer Therapeutics, 2017, 16, 182-192.	1.9	70
17	Osteoprotegerin Regulates Pancreatic Î²-Cell Homeostasis upon Microbial Invasion. PLoS ONE, 2016, 11, e0146544.	1.1	14
18	Regulation of osteoclasts is required to maintain morphology and function of ossicles in middle ear. Journal of Laryngology and Otology, 2016, 130, S98-S98.	0.4	0

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19	Flesh-eatingStreptococcus pyogenestriggers the expression of receptor activator of nuclear factor-ÎºB ligand. Cellular Microbiology, 2016, 18, 1390-1404.	1.1	5
20	Osteocyte-directed bone demineralization along canaliculi. Bone, 2016, 84, 279-288.	1.4	78
21	EphB4 Expressing Stromal Cells Exhibit an Enhanced Capacity for Hematopoietic Stem Cell Maintenance. Stem Cells, 2015, 33, 2838-2849.	1.4	29
22	Osteogenic capillaries orchestrate growth plate-independent ossification of the malleus. Development (Cambridge), 2015, 142, 3912-20.	1.2	20
23	The inÂVivo Effect of Prophylactic Subchondral Bone Protection of Osteoarthritic Synovial Membrane in Bone-Specific Ephb4-Overexpressing Mice. American Journal of Pathology, 2015, 185, 335-346.	1.9	8
24	Genomewide Comprehensive Analysis Reveals Critical Cooperation Between Smad and c-Fos in RANKL-Induced Osteoclastogenesis. Journal of Bone and Mineral Research, 2015, 30, 869-877.	3.1	30
25	A Novel Phthalimide Derivative, TC11, Has Preclinical Effects on High-Risk Myeloma Cells and Osteoclasts. PLoS ONE, 2015, 10, e0116135.	1.1	8
26	Limitation of immune toleranceâ€“inducing thymic epithelial cell development by Spi-Bâ€“mediated negative feedback regulation. Journal of Experimental Medicine, 2014, 211, 2425-2438.	4.2	56
27	IGF2 Preserves Osteosarcoma Cell Survival by Creating an Autophagic State of Dormancy That Protects Cells against Chemotherapeutic Stress. Cancer Research, 2014, 74, 6531-6541.	0.4	71
28	Effective expansion of engrafted human hematopoietic stem cells in bone marrow of mice expressing human Jagged1. Experimental Hematology, 2014, 42, 487-494.e1.	0.2	6
29	Regulation of osteoclasts by membrane-derived lipid mediators. Cellular and Molecular Life Sciences, 2013, 70, 3341-3353.	2.4	37
30	EphB4 enhances the process of endochondral ossification and inhibits remodeling during bone fracture repair. Journal of Bone and Mineral Research, 2013, 28, 926-935.	3.1	42
31	Talbot-defocus multiscan tomography using the synchrotron X-ray microscope to study the lacuno-canalicular network in mouse bone. Biomedical Optics Express, 2013, 4, 917.	1.5	15
32	Acquired Expression of NFATc1 Downregulates E-Cadherin and Promotes Cancer Cell Invasion. Cancer Research, 2013, 73, 5100-5109.	0.4	28
33	Bone cell interactions through Eph/ephrin. Cell Adhesion and Migration, 2012, 6, 148-156.	1.1	140
34	Cot Kinase Promotes Ca²⁺ Oscillation/Calcineurin-Independent Osteoclastogenesis by Stabilizing NFATc1 Protein. Molecular and Cellular Biology, 2012, 32, 2954-2963.	1.1	20
35	Tks5-dependent formation of circumferential podosomes/invadopodia mediates cellâ€“cell fusion. Journal of Cell Biology, 2012, 197, 553-568.	2.3	94
36	Possible role of IRTKS in Tks5-driven osteoclast fusion. Communicative and Integrative Biology, 2012, 5, 511-515.	0.6	15

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37	In vivo boneâ€specific EphB4 overexpression in mice protects both subchondral bone and cartilage during osteoarthritis. Arthritis and Rheumatism, 2012, 64, 3614-3625.	6.7	31
38	Osteosclerosis and inhibition of human hematopoiesis in NOG mice expressing human Delta-like 1 in osteoblasts. Experimental Hematology, 2012, 40, 953-963.e3.	0.2	12
39	Osteoprotegerin induction in response to microbial infection. Arthritis Research and Therapy, 2012, 14, .	1.6	1
40	Tks5-dependent formation of circumferential podosomes mediates cell-cell fusion. Arthritis Research and Therapy, 2012, 14, .	1.6	0
41	Gefitinib, but Not Erlotinib, is a Possible Inducer of Fra-1-mediated Interstitial Lung Disease. Keio Journal of Medicine, 2012, 61, 120-127.	0.5	5
42	Molecular mechanisms of triggering, amplifying and targeting RANK signaling in osteoclasts. World Journal of Orthopedics, 2012, 3, 167.	0.8	32
43	Impaired Vibration of Auditory Ossicles in Osteopetrotic Mice. American Journal of Pathology, 2011, 178, 1270-1278.	1.9	24
44	EphB/ephrin-B interactions mediate human MSC attachment, migration and osteochondral differentiation. Bone, 2011, 48, 533-542.	1.4	79
45	A CD46 transgenic mouse model for studying the histopathology of arthritis caused by subcutaneous infection with Streptococcus dysgalactiae subspecies equisimilis. Journal of Medical Microbiology, 2011, 60, 1860-1868.	0.7	8
46	Fos Proteins Suppress Dextran Sulfate Sodium-Induced Colitis through Inhibition of NF-Îºß. Journal of Immunology, 2010, 184, 1014-1021.	0.4	28
47	Bidirectional Signaling through EphrinA2-EphA2 Enhances Osteoclastogenesis and Suppresses Osteoblastogenesis. Journal of Biological Chemistry, 2009, 284, 14637-14644.	1.6	151
48	The Mechanism of Osteoclast Differentiation Induced by IL-1. Journal of Immunology, 2009, 183, 1862-1870.	0.4	227
49	IL-27 Abrogates Receptor Activator of NF-Îºß Ligand-Mediated Osteoclastogenesis of Human Granulocyte-Macrophage Colony-Forming Unit Cells through STAT1-Dependent Inhibition of c-Fos. Journal of Immunology, 2009, 183, 2397-2406.	0.4	66
50	Bisphosphonate Therapy Ameliorates Hearing Loss in Mice Lacking Osteoprotegerin. Journal of Bone and Mineral Research, 2009, 24, 43-49.	3.1	23
51	Fra-1/AP-1 Impairs Inflammatory Responses and Chondrogenesis in Fracture Healing. Journal of Bone and Mineral Research, 2009, 24, 2056-2065.	3.1	25
52	Cross-talk among bone cells. Current Opinion in Nephrology and Hypertension, 2009, 18, 292-297.	1.0	60
53	Eph and Ephrin Interactions in Bone. Advances in Experimental Medicine and Biology, 2009, 658, 95-103.	0.8	38
54	ATF3 and Fra1 have opposite functions in JNK- and ERK-dependent DNA damage responses. DNA Repair, 2008, 7, 487-496.	1.3	38

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55	The Cytokine RANKL Produced by Positively Selected Thymocytes Fosters Medullary Thymic Epithelial Cells that Express Autoimmune Regulator. Immunity, 2008, 29, 438-450.	6.6	375
56	Osteoclastâ€“osteoblast communication. Archives of Biochemistry and Biophysics, 2008, 473, 201-209.	1.4	618
57	Osteoblasts induce Ca ²⁺ oscillation-independent NFATc1 activation during osteoclastogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 8643-8648.	3.3	134
58	Signaling Flux Redistribution at Toll-Like Receptor Pathway Junctions. PLoS ONE, 2008, 3, e3430.	1.1	43
59	Flagella Facilitate Escape ofSalmonellafrom Oncotic Macrophages. Journal of Bacteriology, 2007, 189, 8224-8232.	1.0	51
60	c-Fos-Deficient Mice Are Susceptible to Salmonella enterica Serovar Typhimurium Infection. Infection and Immunity, 2007, 75, 1520-1523.	1.0	30
61	NF-ÎºB p50 and p52 Regulate Receptor Activator of NF-ÎºB Ligand (RANKL) and Tumor Necrosis Factor-induced Osteoclast Precursor Differentiation by Activating c-Fos and NFATc1. Journal of Biological Chemistry, 2007, 282, 18245-18253.	1.6	364
62	Role of heterodimerization of c-Fos and Fra1 proteins in osteoclast differentiation. Bone, 2007, 40, 867-875.	1.4	26
63	Induction of DC-STAMP by Alternative Activation and Downstream Signaling Mechanisms. Journal of Bone and Mineral Research, 2007, 22, 992-1001.	3.1	118
64	Bidirectional ephrinB2-EphB4 signaling controls bone homeostasis. Cell Metabolism, 2006, 4, 111-121.	7.2	681
65	Resorption of auditory ossicles and hearing loss in mice lacking osteoprotegerin. Bone, 2006, 39, 414-419.	1.4	65
66	Murine osteoblasts respond to LPS and IFN-Î³ similarly to macrophages. Journal of Bone and Mineral Metabolism, 2006, 24, 454-460.	1.3	12
67	c-Fos suppresses systemic inflammatory response to endotoxin. International Immunology, 2006, 18, 671-677.	1.8	93
68	Receptor Activator of NF-ÎºB Ligand and Osteoprotegerin Regulate Proinflammatory Cytokine Production in Mice. Journal of Immunology, 2006, 177, 3799-3805.	0.4	102
69	Reduced Expression of Thrombospondins and Craniofacial Dysmorphism in Mice Overexpressing Fra1. Journal of Bone and Mineral Research, 2005, 21, 596-604.	3.1	17
70	Osteoclasts, mononuclear phagocytes, and c-Fos: new insight into osteoimmunology. Keio Journal of Medicine, 2004, 53, 78-84.	0.5	41
71	Nuclear Factor of Activated T-cells (NFAT) Rescues Osteoclastogenesis in Precursors Lacking c-Fos. Journal of Biological Chemistry, 2004, 279, 26475-26480.	1.6	509
72	Detection of osteoclastic cellâ€“cell fusion through retroviral vector packaging. Bone, 2004, 35, 1120-1126.	1.4	3

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73	Promoter Specificity and Biological Activity of Tethered AP-1 Dimers. Molecular and Cellular Biology, 2002, 22, 4952-4964.	1.1	171
74	RANKL maintains bone homeostasis through c-Fos-dependent induction of interferon-Î². Nature, 2002, 416, 744-749.	13.7	783
75	Fosl1 is a transcriptional target of c-Fos during osteoclast differentiation. Nature Genetics, 2000, 24, 184-187.	9.4	447
76	Increased bone formation and osteosclerosis in mice overexpressing the transcription factor Fra-1. Nature Medicine, 2000, 6, 980-984.	15.2	434
77	JunD Protects Cells from p53-Dependent Senescence and Apoptosis. Molecular Cell, 2000, 6, 1109-1119.	4.5	233
78	Increased Intracellular Ca2+ is Not Coinherited With an Inferred Major Gene Locus for Hypertension (ht) in the Spontaneously Hypertensive Rat. American Journal of Hypertension, 1997, 10, 282-288.	1.0	13
79	Transcriptional repression by methylation: cooperativity between a CpG cluster in the promoter and remote CpG-rich regions. FEBS Letters, 1996, 379, 251-254.	1.3	26
80	Differential Sensitivity of Zinc Finger Transcription Factors MTF-1, Sp1 and Krox-20 to CpG Methylation of Their Binding Sites. Biological Chemistry Hoppe-Seyler, 1996, 377, 47-56.	1.4	31
81	AUGMENTED Ca2+MOBILIZATION IS A HYPERTENSIVE TRAIT DISCRIMINATED FROM A ?MAJOR GENE? IN BACKCROSS ANALYSIS BETWEEN SHR AND DONRYU RATS. Clinical and Experimental Pharmacology and Physiology, 1995, 22, S220-S222.	0.9	2
82	Periodicity of eight nucleotides in purine distribution around human genomic CpG dinucleotides. Somatic Cell and Molecular Genetics, 1995, 21, 91-98.	0.7	9
83	Review. Biological Chemistry Hoppe-Seyler, 1995, 376, 201-224.	1.4	28
84	Tissue-specific expression of a FMR1/Î²-galactosidase fusion gene in transgenic mice. Human Molecular Genetics, 1995, 4, 359-366.	1.4	70
85	Spatial and temporal regulation of the rat calmodulin gene III directed by a 877-base promoter and 103-base leader segment in the mature and embryonal central nervous system of transgenic mice. Molecular Brain Research, 1995, 31, 61-70.	2.5	19
86	Complex demethylation patterns at Sp1 binding sites in F9 embryonal carcinoma cells. FEBS Letters, 1995, 370, 170-174.	1.3	27
87	Short Introns Interrupting the Oct-2 POU Domain May Prevent Recombination between POU Family Genes without Interfering with Potential POU Domain â€˜Shufflingâ€™ in Evolution. Biological Chemistry Hoppe-Seyler, 1994, 375, 675-684.	1.4	21
88	The CpG-specific methylase Sssl has topoisomerase activity in the presence of Mg2+. Nucleic Acids Research, 1994, 22, 5354-5349.	6.5	45
89	Evidence for erosion of mouse CpG islands during mammalian evolution. Somatic Cell and Molecular Genetics, 1993, 19, 543-555.	0.7	75
90	Expression of the rat calmodulin gene II in the central nervous system: a 294-base promoter and 68-base leader segment mediates neuron-specific gene expression in transgenic mice. Molecular Brain Research, 1993, 20, 9-20.	2.5	133

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91	Four synonymous genes encode calmodulin in the teleost fish, medaka (Oryzias latipes): conservation of the multigene one-protein principle. Gene, 1992, 119, 279-281.	1.0	29
92	Carcinoma of the Epipharynx. Kurume Medical Journal, 1982, 29, S79-S85.	0.0	0
93	Osteocytes communicate with osteoclast lineage cells via RANKL. IBMS BoneKEy, 0, 9, .	0.1	6