

Isao Kii

List of Publications by Year in descending order

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58
papers

3,441
citations

159358

30
h-index

138251

58
g-index

64
all docs

64
docs citations

64
times ranked

4960
citing authors

#	ARTICLE	IF	CITATIONS
1	Periostin is essential for cardiac healing after acute myocardial infarction. <i>Journal of Experimental Medicine</i> , 2008, 205, 295-303.	4.2	404
2	Incorporation of Tenascin-C into the Extracellular Matrix by Periostin Underlies an Extracellular Meshwork Architecture. <i>Journal of Biological Chemistry</i> , 2010, 285, 2028-2039.	1.6	239
3	Development of a novel selective inhibitor of the Down syndrome-related kinase Dyrk1A. <i>Nature Communications</i> , 2010, 1, 86.	5.8	226
4	Interaction between Periostin and BMP-1 Promotes Proteolytic Activation of Lysyl Oxidase. <i>Journal of Biological Chemistry</i> , 2010, 285, 13294-13303.	1.6	225
5	A functional study on polymorphism of the ATP-binding cassette transporter ABCG2: critical role of arginine-482 in methotrexate transport. <i>Biochemical Journal</i> , 2003, 373, 767-774.	1.7	120
6	Periostin is an extracellular matrix protein required for eruption of incisors in mice. <i>Biochemical and Biophysical Research Communications</i> , 2006, 342, 766-772.	1.0	117
7	Periostin Is Expressed in Pericryptal Fibroblasts and Cancer-associated Fibroblasts in the Colon. <i>Journal of Histochemistry and Cytochemistry</i> , 2008, 56, 753-764.	1.3	113
8	Na, K-ATPase β 3 is a death target of Alzheimer patient amyloid- β 2 assembly. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E4465-74.	3.3	112
9	Delayed Re-Epithelialization in Periostin-Deficient Mice during Cutaneous Wound Healing. <i>PLoS ONE</i> , 2011, 6, e18410.	1.1	111
10	Strain-promoted double-click reaction for chemical modification of azido-biomolecules. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 4051.	1.5	101
11	The Niche Component Periostin Is Produced by Cancer-Associated Fibroblasts, Supporting Growth of Gastric Cancer through ERK Activation. <i>American Journal of Pathology</i> , 2014, 184, 859-870.	1.9	100
12	Cell-Cell Interaction Mediated by Cadherin-11 Directly Regulates the Differentiation of Mesenchymal Cells into the Cells of the Osteo-Lineage and the Chondro-Lineage. <i>Journal of Bone and Mineral Research</i> , 2004, 19, 1840-1849.	3.1	97
13	Periostin, a novel marker of intramembranous ossification, is expressed in fibrous dysplasia and in c-Fos ⁺ overexpressing bone lesions. <i>Human Pathology</i> , 2009, 40, 226-237.	1.1	89
14	Immunohistochemical localization of periostin in tooth and its surrounding tissues in mouse mandibles during development. <i>The Anatomical Record</i> , 2004, 281A, 1264-1275.	2.3	82
15	Targeted Disruption of Cadherin-11 Leads to a Reduction in Bone Density in Calvaria and Long Bone Metaphyses. <i>Journal of Bone and Mineral Research</i> , 2001, 16, 1265-1271.	3.1	80
16	The Transition of Cadherin Expression in Osteoblast Differentiation from Mesenchymal Cells: Consistent Expression of Cadherin-11 in Osteoblast Lineage. <i>Journal of Bone and Mineral Research</i> , 2001, 16, 260-269.	3.1	78
17	Periostin function in communication with extracellular matrices. <i>Journal of Cell Communication and Signaling</i> , 2018, 12, 301-308.	1.8	74
18	Inactivation of Rho/ROCK Signaling Is Crucial for the Nuclear Accumulation of FKHR and Myoblast Fusion. <i>Journal of Biological Chemistry</i> , 2004, 279, 47311-47319.	1.6	70

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19	GFP transgenic mice reveal active canonical Wnt signal in neonatal brain and in adult liver and spleen. <i>Genesis</i> , 2007, 45, 90-100.	0.8	67
20	Selective inhibition of the kinase DYRK1A by targeting its folding process. <i>Nature Communications</i> , 2016, 7, 11391.	5.8	66
21	Prenatal neurogenesis induction therapy normalizes brain structure and function in Down syndrome mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 10268-10273.	3.3	66
22	CDK9 inhibitor FIT-039 prevents replication of multiple DNA viruses. <i>Journal of Clinical Investigation</i> , 2014, 124, 3479-3488.	3.9	63
23	Periostin Associates with Notch1 Precursor to Maintain Notch1 Expression under a Stress Condition in Mouse Cells. <i>PLoS ONE</i> , 2010, 5, e12234.	1.1	59
24	Development of an orally available inhibitor of CLK1 for skipping a mutated dystrophin exon in Duchenne muscular dystrophy. <i>Scientific Reports</i> , 2017, 7, 46126.	1.6	46
25	Remodeling of Actin Cytoskeleton in Mouse Periosteal Cells under Mechanical Loading Induces Periosteal Cell Proliferation during Bone Formation. <i>PLoS ONE</i> , 2011, 6, e24847.	1.1	46
26	Periostin and its interacting proteins in the construction of extracellular architectures. <i>Cellular and Molecular Life Sciences</i> , 2017, 74, 4269-4277.	2.4	45
27	Direct reprogramming of fibroblasts into skeletal muscle progenitor cells by transcription factors enriched in undifferentiated subpopulation of satellite cells. <i>Scientific Reports</i> , 2017, 7, 8097.	1.6	43
28	Identification of a Dual Inhibitor of SRPK1 and CK2 That Attenuates Pathological Angiogenesis of Macular Degeneration in Mice. <i>Molecular Pharmacology</i> , 2015, 88, 316-325.	1.0	39
29	Staudinger reaction using 2,6-dichlorophenyl azide derivatives for robust aza-ylide formation applicable to bioconjugation in living cells. <i>Chemical Communications</i> , 2018, 54, 7904-7907.	2.2	37
30	Identification of a DYRK1A Inhibitor that Induces Degradation of the Target Kinase using Co-chaperone CDC37 fused with Luciferase nanoKAZ. <i>Scientific Reports</i> , 2015, 5, 12728.	1.6	31
31	Periostin promotes secretion of fibronectin from the endoplasmic reticulum. <i>Biochemical and Biophysical Research Communications</i> , 2016, 470, 888-893.	1.0	30
32	Screening of novel drugs for inhibiting hepatitis E virus replication. <i>Journal of Virological Methods</i> , 2019, 270, 1-11.	1.0	30
33	Design and synthesis of a potent inhibitor of class 1 DYRK kinases as a suppressor of adipogenesis. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 4434-4441.	1.4	26
34	DYRK1B mutations associated with metabolic syndrome impair the chaperone-dependent maturation of the kinase domain. <i>Scientific Reports</i> , 2017, 7, 6420.	1.6	26
35	Periostin Functions as a Scaffold for Assembly of Extracellular Proteins. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1132, 23-32.	0.8	26
36	Convergent synthesis of trifunctional molecules by three sequential azido-type-selective cycloadditions. <i>Chemical Communications</i> , 2018, 54, 3705-3708.	2.2	25

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37	Stable knockdown of S100A4 suppresses cell migration and metastasis of osteosarcoma. <i>Tumor Biology</i> , 2011, 32, 611-622.	0.8	20
38	Periostin is required for matricellular localization of CCN3 in periodontal ligament of mice. <i>Journal of Cell Communication and Signaling</i> , 2017, 11, 5-13.	1.8	19
39	Druggable Transient Pockets in Protein Kinases. <i>Molecules</i> , 2021, 26, 651.	1.7	18
40	Alleviation of Behavioral Hypersensitivity in Mouse Models of Inflammatory Pain with Two Structurally Different Casein Kinase 1 (CK1) Inhibitors. <i>Molecular Pain</i> , 2014, 10, 1744-8069-10-17.	1.0	17
41	A facile preparation of functional cycloalkynes via an azide-to-cycloalkyne switching approach. <i>Chemical Communications</i> , 2019, 55, 3556-3559.	2.2	16
42	Three-Dimensional Localization of an Individual Fluorescent Molecule with Angstrom Precision. <i>Journal of the American Chemical Society</i> , 2017, 139, 8990-8994.	6.6	15
43	Indolizines Enabling Rapid Uncaging of Alcohols and Carboxylic Acids by Red Light-Induced Photooxidation. <i>Organic Letters</i> , 2020, 22, 5434-5438.	2.4	15
44	HaloTag-based conjugation of proteins to barcoding-oligonucleotides. <i>Nucleic Acids Research</i> , 2020, 48, e8-e8.	6.5	14
45	Practical Application of Periostin as a Biomarker for Pathological Conditions. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1132, 195-204.	0.8	13
46	Alzheimer A β Assemblies Accumulate in Excitatory Neurons upon Proteasome Inhibition and Kill Nearby NAK \pm 3 Neurons by Secretion. <i>IScience</i> , 2019, 13, 452-477.	1.9	13
47	Expression, Purification and Characterization of Soluble Recombinant Periostin Protein Produced by <i>Escherichia coli</i> . <i>Journal of Biochemistry</i> , 2009, 146, 713-723.	0.9	11
48	Periostin Deficiency Causes Severe and Lethal Lung Injury in Mice With Bleomycin Administration. <i>Journal of Histochemistry and Cytochemistry</i> , 2016, 64, 441-453.	1.3	9
49	Assembly of four modules onto a tetraazide platform by consecutive 1,2,3-triazole formations. <i>Chemical Communications</i> , 2021, 57, 899-902.	2.2	9
50	The Capsid (ORF2) Protein of Hepatitis E Virus in Feces Is C-Terminally Truncated. <i>Pathogens</i> , 2022, 11, 24.	1.2	8
51	Structure-activity relationship for the folding intermediate-selective inhibition of DYRK1A. <i>European Journal of Medicinal Chemistry</i> , 2022, 227, 113948.	2.6	6
52	Downregulation of neuropilin-1 on macrophages modulates antibody-mediated tumoricidal activity. <i>Cancer Immunology, Immunotherapy</i> , 2017, 66, 1131-1142.	2.0	5
53	Identification of synthetic inhibitors for the DNA binding of intrinsically disordered circadian clock transcription factors. <i>Chemical Communications</i> , 2020, 56, 11203-11206.	2.2	5
54	Periostin is essential for cardiac healing after acute myocardial infarction. <i>Journal of Cell Biology</i> , 2008, 180, i7-i7.	2.3	4

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55	Quantification of receptor activation by oxytocin and vasopressin in endocytosis-coupled bioluminescence reduction assay using nanoKAZ. <i>Analytical Biochemistry</i> , 2018, 549, 174-183.	1.1	3
56	S1PR3â€™G12-biased agonist ALESIA targets cancer metabolism and promotes glucose starvation. <i>Cell Chemical Biology</i> , 2021, 28, 1132-1144.e9.	2.5	3
57	Novel Methods for Efficient Conjugation of Two Azide Molecules. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2016, 74, 453-461.	0.0	1
58	Expression and purification of DYRK1A kinase domain in complex with its folding intermediate-selective inhibitor FINDY. <i>Protein Expression and Purification</i> , 2022, 195-196, 106089.	0.6	1