

Shinae Kizaka-Kondoh

List of Publications by Year in descending order

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97
papers

4,844
citations

87888

38
h-index

95266

68
g-index

97
all docs

97
docs citations

97
times ranked

7036
citing authors

#	ARTICLE	IF	CITATIONS
1	Droplet-based valveless microfluidic system for phage-display screening against spheroids. <i>Biomicrofluidics</i> , 2022, 16, 024107.	2.4	0
2	A Murine Bone Metastasis Model Using Caudal Artery Injection and Bioluminescence Imaging. <i>Methods in Molecular Biology</i> , 2021, 2274, 37-42.	0.9	1
3	Antibody-guided design and identification of CD25-binding small antibody mimetics using mammalian cell surface display. <i>Scientific Reports</i> , 2021, 11, 22098.	3.3	2
4	Design, synthesis, and evaluation of indeno[2,1-c]pyrazolones for use as inhibitors against hypoxia-inducible factor (HIF)-1 transcriptional activity. <i>Bioorganic and Medicinal Chemistry</i> , 2020, 28, 115207.	3.0	14
5	Reconstitution of an Anti-HER2 Antibody Paratope by Grafting Dual CDR-Derived Peptides onto a Small Protein Scaffold. <i>Biotechnology Journal</i> , 2020, 15, 2000078.	3.5	9
6	Slicing Spheroids in Microfluidic Devices for Morphological and Immunohistochemical Analysis. <i>Micromachines</i> , 2020, 11, 480.	2.9	8
7	Strategic design to create HER2-targeting proteins with target-binding peptides immobilized on a fibronectin type III domain scaffold. <i>RSC Advances</i> , 2020, 10, 15154-15162.	3.6	6
8	Design Strategy to Create Antibody Mimetics Harboring Immobilised Complementarity Determining Region Peptides for Practical Use. <i>Scientific Reports</i> , 2020, 10, 891.	3.3	14
9	Microfluidic High-Migratory Cell Collector Suppressing Artifacts Caused by Microstructures. <i>Micromachines</i> , 2019, 10, 116.	2.9	3
10	Microfluidic Device for Screening for Target Cell-Specific Binding Molecules by Using Adherent Cells. <i>Micromachines</i> , 2019, 10, 41.	2.9	4
11	Synthesis and Luminescence Properties of Near-Infrared <i>N</i> -Heterocyclic Luciferin Analogues for <i>In Vivo</i> Optical Imaging. <i>Bulletin of the Chemical Society of Japan</i> , 2019, 92, 608-618.	3.2	21
12	Single-cell bioluminescence imaging of deep tissue in freely moving animals. <i>Science</i> , 2018, 359, 935-939.	12.6	319
13	A reliable murine model of bone metastasis by injecting cancer cells through caudal arteries. <i>Nature Communications</i> , 2018, 9, 2981.	12.8	83
14	Novel lymphoid enhancer-binding factor 1-cytoglobin axis promotes extravasation of osteosarcoma cells into the lungs. <i>Cancer Science</i> , 2018, 109, 2746-2756.	3.9	7
15	Novel adherent CD11b+ Gr-1+ tumor-infiltrating cells initiate an immunosuppressive tumor microenvironment. <i>Oncotarget</i> , 2018, 9, 11209-11226.	1.8	8
16	Domain architecture of vasohibins required for their chaperone-dependent unconventional extracellular release. <i>Protein Science</i> , 2017, 26, 452-463.	7.6	10
17	Investigation of the Influence of Glucose Concentration on Cancer Cells by Using a Microfluidic Gradient Generator without the Induction of Large Shear Stress. <i>Micromachines</i> , 2016, 7, 155.	2.9	12
18	A novel injectable BRET-based in vivo imaging probe for detecting the activity of hypoxia-inducible factor regulated by the ubiquitin-proteasome system. <i>Scientific Reports</i> , 2016, 6, 34311.	3.3	18

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19	Hypoxia-inducible factor-targeting prodrug TOP^3 combined with gemcitabine or TS^1 improves pancreatic cancer survival in an orthotopic model. <i>Cancer Science</i> , 2016, 107, 1151-1158.	3.9	17
20	A luciferin analogue generating near-infrared bioluminescence achieves highly sensitive deep-tissue imaging. <i>Nature Communications</i> , 2016, 7, 11856.	12.8	190
21	Application of HaloTag® Technology to <i>in Vivo</i> Molecular Imaging Using Protein Probes Labeled by Metallic Radionuclides. <i>Radioisotopes</i> , 2016, 65, 247-255.	0.2	0
22	The effect of triamcinolone acetonide on laser-induced choroidal neovascularization in mice using a hypoxia visualization bio-imaging probe. <i>Scientific Reports</i> , 2015, 5, 9898.	3.3	18
23	Uniform Cell Distribution Achieved by Using Cell Deformation in a Micropillar Array. <i>Micromachines</i> , 2015, 6, 409-422.	2.9	7
24	Cell penetrating peptides improve tumor delivery of cargos through neuropilin-1-dependent extravasation. <i>Journal of Controlled Release</i> , 2015, 201, 14-21.	9.9	47
25	High resolution imaging of intracellular oxygen concentration by phosphorescence lifetime. <i>Scientific Reports</i> , 2015, 5, 10657.	3.3	100
26	A metal carbonyl-protein needle composite designed for intracellular CO delivery to modulate NF- κ B activity. <i>Molecular BioSystems</i> , 2015, 11, 3111-3118.	2.9	16
27	Preparation of a Cross-Linked Porous Protein Crystal Containing Ru Carbonyl Complexes as a CO-Releasing Extracellular Scaffold. <i>Inorganic Chemistry</i> , 2015, 54, 215-220.	4.0	72
28	A Fluorescent Protein Scaffold for Presenting Structurally Constrained Peptides Provides an Effective Screening System to Identify High Affinity Target-Binding Peptides. <i>PLoS ONE</i> , 2014, 9, e103397.	2.5	10
29	Bone resorption facilitates osteoblastic bone metastatic colonization by cooperation of insulin-like growth factor and hypoxia. <i>Cancer Science</i> , 2014, 105, 553-559.	3.9	11
30	Development of a novel interferon- β gene construct with a repetitive hypoxia-inducible factor binding site and its suppressive effects on human renal cell carcinoma cell lines in vitro. <i>International Journal of Clinical Oncology</i> , 2014, 19, 497-504.	2.2	2
31	Intracellular CO Release from Composite of Ferritin and Ruthenium Carbonyl Complexes. <i>Journal of the American Chemical Society</i> , 2014, 136, 16902-16908.	13.7	89
32	Development of an Oxygen-Sensitive Degradable Peptide Probe for the Imaging of Hypoxia-Inducible Factor-1-Active Regions in Tumors. <i>Molecular Imaging and Biology</i> , 2013, 15, 713-721.	2.6	12
33	Radiosynthesis and initial evaluation of ^{18}F labeled nanocarrier composed of poly(L-lactic) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 387-394.	0.6	38
34	A hypoxia-inducible factor (HIF)-3 β splicing variant, HIF-3 β 4 impairs angiogenesis in hypervascular malignant meningiomas with epigenetically silenced HIF-3 β 4. <i>Biochemical and Biophysical Research Communications</i> , 2013, 433, 139-144.	2.1	29
35	The Protective Role of the Transmembrane Thioredoxin-Related Protein TMX in Inflammatory Liver Injury. <i>Antioxidants and Redox Signaling</i> , 2013, 18, 1263-1272.	5.4	13
36	MT1-MMP plays a critical role in hematopoiesis by regulating HIF-mediated chemokine/cytokine gene transcription within niche cells. <i>Blood</i> , 2012, 119, 5405-5416.	1.4	51

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37	Development of a Hypoxia-Selective Near-Infrared Fluorescent Probe for Non-invasive Tumor Imaging. <i>Chemical and Pharmaceutical Bulletin</i> , 2012, 60, 402-407.	1.3	18
38	2-Nitroimidazole-Tricarbocyanine Conjugate as a Near-Infrared Fluorescent Probe for <i>in Vivo</i> Imaging of Tumor Hypoxia. <i>Bioconjugate Chemistry</i> , 2012, 23, 324-329.	3.6	150
39	<i>In Vivo</i> Visualization of Heterogeneous Intratumoral Distribution of Hypoxia-Inducible Factor-1 Activity by the Fusion of High-Resolution SPECT and Morphological Imaging Tests. <i>Journal of Biomedicine and Biotechnology</i> , 2012, 2012, 1-6.	3.0	9
40	Synthesis and biological activity of furanylindazoles as inhibitors of hypoxia inducible factor (HIF)-1 transcriptional activity. <i>MedChemComm</i> , 2012, 3, 1455.	3.4	21
41	In Vivo Imaging of Brain Ischemia Using an Oxygen-Dependent Degradative Fusion Protein Probe. <i>PLoS ONE</i> , 2012, 7, e48051.	2.5	7
42	Detection of the Onset of Ischemia and Carcinogenesis by Hypoxia-Inducible Transcription Factor-Based In Vivo Bioluminescence Imaging. <i>PLoS ONE</i> , 2011, 6, e26640.	2.5	8
43	Pathophysiological Response to Hypoxia – From the Molecular Mechanisms of Malady to Drug Discovery: Hypoxia-Inducible Factor-1 (HIF-1)-Active Cells as a Target for Cancer Therapy. <i>Journal of Pharmacological Sciences</i> , 2011, 115, 440-445.	2.5	11
44	Evaluation of [¹²⁵ I]IPOS as a molecular imaging probe for hypoxia-inducible factor-1 active regions in a tumor: Comparison among single-photon emission computed tomography/X-ray computed tomography imaging, autoradiography, and immunohistochemistry. <i>Cancer Science</i> , 2011, 102, 2090-2096.	3.9	14
45	PET Imaging of Hypoxia-Inducible Factor-1-Active Tumor Cells with Pretargeted Oxygen-Dependent Degradable Streptavidin and a Novel 18F-Labeled Biotin Derivative. <i>Molecular Imaging and Biology</i> , 2011, 13, 1003-1010.	2.6	22
46	Rapid detection of hypoxia-inducible factor-1-active tumours: pretargeted imaging with a protein degrading in a mechanism similar to hypoxia-inducible factor-1. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2010, 37, 1566-1574.	6.4	16
47	Noninvasive Tracking of Donor Cell Homing by Near-Infrared Fluorescence Imaging Shortly after Bone Marrow Transplantation. <i>PLoS ONE</i> , 2010, 5, e11114.	2.5	17
48	In Vivo Imaging of HIF-Active Tumors by an Oxygen-Dependent Degradation Protein Probe with an Interchangeable Labeling System. <i>PLoS ONE</i> , 2010, 5, e15736.	2.5	34
49	Functional molecular imaging of ILK-mediated Akt/PKB signaling cascades and the associated role of β -parvin. <i>Journal of Cell Science</i> , 2010, 123, 747-755.	2.0	32
50	Inactivation of chemokine (C-C motif) receptor 1 (CCR1) suppresses colon cancer liver metastasis by blocking accumulation of immature myeloid cells in a mouse model. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 13063-13068.	7.1	154
51	Early Protective Effect of Bone Marrow Mononuclear Cells Against Ischemic White Matter Damage Through Augmentation of Cerebral Blood Flow. <i>Stroke</i> , 2010, 41, 2938-2943.	2.0	58
52	Persisting mild hypothermia suppresses hypoxia-inducible factor-1 protein synthesis and hypoxia-inducible factor-1-mediated gene expression. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2010, 298, R661-R671.	1.8	39
53	Imaging and Targeting of the Hypoxia-inducible Factor 1-active Microenvironment. <i>Journal of Toxicologic Pathology</i> , 2009, 22, 93-100.	0.7	9
54	The Akt/mTOR Pathway Assures the Synthesis of HIF-1 Protein in a Glucose- and Reoxygenation-dependent Manner in Irradiated Tumors. <i>Journal of Biological Chemistry</i> , 2009, 284, 5332-5342.	3.4	145

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55	Enhanced Percolation and Gene Expression in Tumor Hypoxia by PEGylated Polyplex Micelles. <i>Molecular Therapy</i> , 2009, 17, 1404-1410.	8.2	30
56	Selective Killing of Hypoxia-Inducible Factor-1-Active Cells Improves Survival in a Mouse Model of Invasive and Metastatic Pancreatic Cancer. <i>Clinical Cancer Research</i> , 2009, 15, 3433-3441.	7.0	84
57	Imaging of HIF-1-Active Tumor Hypoxia Using a Protein Effectively Delivered to and Specifically Stabilized in HIF-1-Active Tumor Cells. <i>Journal of Nuclear Medicine</i> , 2009, 50, 942-949.	5.0	33
58	Physical and Functional Interaction of Transmembrane Thioredoxin-related Protein with Major Histocompatibility Complex Class I Heavy Chain: Redox-based Protein Quality Control and Its Potential Relevance to Immune Responses. <i>Molecular Biology of the Cell</i> , 2009, 20, 4552-4562.	2.1	30
59	Near-infrared fluorescence tumor imaging using nanocarrier composed of poly(l-lactic) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 58	11.4	120
60	Cytokine-mediated induction of anti-apoptotic genes that are linked to nuclear factor kappa-B (NF- κ B) signalling in human islets and in a mouse beta cell line. <i>Diabetologia</i> , 2009, 52, 1092-1101.	6.3	78
61	Significance of nitroimidazole compounds and hypoxia-inducible factor-1 for imaging tumor hypoxia. <i>Cancer Science</i> , 2009, 100, 1366-1373.	3.9	201
62	The HIF-1-active microenvironment: An environmental target for cancer therapy. <i>Advanced Drug Delivery Reviews</i> , 2009, 61, 623-632.	13.7	67
63	Intravenously administered bone marrow cells alleviates white matter lesions in a model of chronic cerebral hypoperfusion. <i>Neuroscience Research</i> , 2009, 65, S123.	1.9	0
64	Imaging probe for tumor malignancy. , 2009, , .		0
65	Biomedical applications of imidazolium cation-modified iron oxide nanoparticles. <i>Polymers for Advanced Technologies</i> , 2008, 19, 1421-1429.	3.2	49
66	Hypoxia inducible factor-1 influences sensitivity to paclitaxel of human lung cancer cell lines under normoxic conditions. <i>Cell Biology International</i> , 2008, 32, S38-S38.	3.0	0
67	TS-1 enhances the effect of radiotherapy by suppressing radiation-induced hypoxia-inducible factor-1 activation and inducing endothelial cell apoptosis. <i>Cancer Science</i> , 2008, 99, 2327-2335.	3.9	47
68	Taip2 is a novel cell death-related gene expressed in the brain during development. <i>Biochemical and Biophysical Research Communications</i> , 2008, 369, 426-431.	2.1	2
69	Near-Infrared Fluorescent Labeled Peptosome for Application to Cancer Imaging. <i>Bioconjugate Chemistry</i> , 2008, 19, 109-117.	3.6	110
70	n-Propyl gallate activates hypoxia-inducible factor 1 by modulating intracellular oxygen-sensing systems. <i>Biochemical Journal</i> , 2008, 411, 97-105.	3.7	16
71	Imaging and Targeting Tumors by Fusion Proteins with ODD Domain of HIF-1. <i>Journal of the Society of Japanese Women Scientists</i> , 2008, 9, 13-19.	0.0	0
72	Hypoxia and Hypoxia-Inducible Factor-1 Expression Enhance Osteolytic Bone Metastases of Breast Cancer. <i>Cancer Research</i> , 2007, 67, 4157-4163.	0.9	217

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73	Development of a novel fluorescent imaging probe for tumor hypoxia by use of a fusion protein with oxygen-dependent degradation domain of HIF-1 α . , 2007, , .		2
74	The combination of hypoxia-response enhancers and an oxygen-dependent proteolytic motif enables real-time imaging of absolute HIF-1 activity in tumor xenografts. <i>Biochemical and Biophysical Research Communications</i> , 2007, 360, 791-796.	2.1	61
75	Significance of HIF-1-active cells in angiogenesis and radioresistance. <i>Oncogene</i> , 2007, 26, 7508-7516.	5.9	124
76	Hypoxia inducible factor-1 influences sensitivity to paclitaxel of human lung cancer cell lines under normoxic conditions. <i>Cancer Science</i> , 2007, 98, 1394-1401.	3.9	45
77	Mechanism of hypoxia-specific cytotoxicity of procaspase-3 fused with a VHL-mediated protein destruction motif of HIF-1 α containing Pro564. <i>FEBS Letters</i> , 2006, 580, 5718-5722.	2.8	31
78	Antitumor protein therapy; Application of the protein transduction domain to the development of a protein drug for cancer treatment. <i>Breast Cancer</i> , 2006, 13, 16-26.	2.9	53
79	Thioredoxin-Binding Protein-2-Like Inducible Membrane Protein Is a Novel Vitamin D3 and Peroxisome Proliferator-Activated Receptor (PPAR) γ Ligand Target Protein that Regulates PPAR γ Signaling. <i>Endocrinology</i> , 2006, 147, 733-743.	2.8	64
80	Suppression of VEGF transcription in renal cell carcinoma cells by pyrrole-imidazole hairpin polyamides targeting the hypoxia responsive element. <i>Acta Oncologica</i> , 2006, 45, 317-324.	1.8	28
81	Optical Imaging of Tumor Hypoxia and Evaluation of Efficacy of a Hypoxia-Targeting Drug in Living Animals. <i>Molecular Imaging</i> , 2005, 4, 153535002005051.	1.4	89
82	Optical imaging of tumor hypoxia and evaluation of efficacy of a hypoxia-targeting drug in living animals. <i>Molecular Imaging</i> , 2005, 4, 182-93.	1.4	52
83	Cyclic AMP Promotes cAMP-responsive Element-binding Protein-dependent Induction of Cellular Inhibitor of Apoptosis Protein-2 and Suppresses Apoptosis of Colon Cancer Cells through ERK1/2 and p38 MAPK. <i>Journal of Biological Chemistry</i> , 2004, 279, 26176-26183.	3.4	97
84	Induction of Hypoxia-inducible Factor 1 Activity by Muscarinic Acetylcholine Receptor Signaling. <i>Journal of Biological Chemistry</i> , 2004, 279, 41521-41528.	3.4	53
85	Targeting hypoxic cancer cells with a protein prodrug is effective in experimental malignant ascites. <i>International Journal of Oncology</i> , 2004, 25, 713.	3.3	9
86	Nitric Oxide Induces Hypoxia-inducible Factor 1 Activation That Is Dependent on MAPK and Phosphatidylinositol 3-Kinase Signaling. <i>Journal of Biological Chemistry</i> , 2004, 279, 2550-2558.	3.4	193
87	TMX, a human transmembrane oxidoreductase of the thioredoxin family: the possible role in disulfide-linked protein folding in the endoplasmic reticulum. <i>Archives of Biochemistry and Biophysics</i> , 2004, 423, 81-87.	3.0	39
88	Tumor hypoxia: A target for selective cancer therapy. <i>Cancer Science</i> , 2003, 94, 1021-1028.	3.9	329
89	Inhibition of apoptosis in normal and transformed intestinal epithelial cells by cAMP through induction of inhibitor of apoptosis protein (IAP)-2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 8921-8926.	7.1	128
90	Antitumor effect of TAT-oxygen-dependent degradation-caspase-3 fusion protein specifically stabilized and activated in hypoxic tumor cells. <i>Cancer Research</i> , 2002, 62, 2013-8.	0.9	130

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91	c-IAP2 is induced by ionizing radiation through NF- κ B binding sites. FEBS Letters, 2001, 491, 40-44.	2.8	29
92	Identification of a Novel Thioredoxin-related Transmembrane Protein. Journal of Biological Chemistry, 2001, 276, 10032-10038.	3.4	91
93	Transient over-expression of NGFI-A gene suppresses NGF-induced neurite outgrowth in PC12 cells. NeuroReport, 2000, 11, 1001-1005.	1.2	3
94	Identification of a Series of Transforming Growth Factor β -Responsive Genes by Retrovirus-Mediated Gene Trap Screening. Molecular and Cellular Biology, 2000, 20, 3266-3273.	2.3	40
95	Role of TGF- β 2 in EGF-induced transformation of NRK cells is sustaining high-level EGF-signaling1. FEBS Letters, 2000, 466, 160-164.	2.8	7
96	Constitutive Association of EGF Receptor with the Crkl-23 Mutant that Inhibits Transformation of NRK Cells by EGF and TGF- β 2. Cellular Signalling, 1998, 10, 283-290.	3.6	9
97	Raf-1 is not a major upstream regulator of MAP kinases in rat fibroblasts. FEBS Letters, 1993, 336, 255-258.	2.8	29