

# Kiichi Hirota

## List of Publications by Year in descending order

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137  
papers

10,728  
citations

57758

44  
h-index

31849

101  
g-index

176  
all docs

176  
docs citations

176  
times ranked

12047  
citing authors

#	ARTICLE	IF	CITATIONS
1	FIH-1: a novel protein that interacts with HIF-1 $\alpha$ and VHL to mediate repression of HIF-1 transcriptional activity. <i>Genes and Development</i> , 2001, 15, 2675-2686.	5.9	1,203
2	AP-1 transcriptional activity is regulated by a direct association between thioredoxin and Ref-1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997, 94, 3633-3638.	7.1	756
3	Insulin-like Growth Factor 1 Induces Hypoxia-inducible Factor 1-mediated Vascular Endothelial Growth Factor Expression, Which is Dependent on MAP Kinase and Phosphatidylinositol 3-Kinase Signaling in Colon Cancer Cells. <i>Journal of Biological Chemistry</i> , 2002, 277, 38205-38211.	3.4	700
4	Identification of Thioredoxin-binding Protein-2/Vitamin D3 Up-regulated Protein 1 as a Negative Regulator of Thioredoxin Function and Expression. <i>Journal of Biological Chemistry</i> , 1999, 274, 21645-21650.	3.4	630
5	Cell Type-Specific Regulation of Angiogenic Growth Factor Gene Expression and Induction of Angiogenesis in Nonischemic Tissue by a Constitutively Active Form of Hypoxia-Inducible Factor 1. <i>Circulation Research</i> , 2003, 93, 1074-1081.	4.5	561
6	Distinct Roles of Thioredoxin in the Cytoplasm and in the Nucleus. <i>Journal of Biological Chemistry</i> , 1999, 274, 27891-27897.	3.4	516
7	Disruption of oxygen homeostasis underlies congenital Chuvash polycythemia. <i>Nature Genetics</i> , 2002, 32, 614-621.	21.4	469
8	Regulation of angiogenesis by hypoxia-inducible factor 1. <i>Critical Reviews in Oncology/Hematology</i> , 2006, 59, 15-26.	4.4	423
9	Thioredoxin-dependent Redox Regulation of p53-mediated p21 Activation. <i>Journal of Biological Chemistry</i> , 1999, 274, 35809-35815.	3.4	376
10	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
11	Regulation of hypoxia-inducible factor 1 by prolyl and asparaginyl hydroxylases. <i>Biochemical and Biophysical Research Communications</i> , 2005, 338, 610-616.	2.1	215
12	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
13	Direct Association with Thioredoxin Allows Redox Regulation of Glucocorticoid Receptor Function. <i>Journal of Biological Chemistry</i> , 1999, 274, 3182-3188.	3.4	186
14	Nucleoredoxin, Glutaredoxin, and Thioredoxin Differentially Regulate NF- $\kappa$ B, AP-1, and CREB Activation in HEK293 Cells. <i>Biochemical and Biophysical Research Communications</i> , 2000, 274, 177-182.	2.1	181
15	UCHL1 provides diagnostic and antimetastatic strategies due to its deubiquitinating effect on HIF-1 $\alpha$ . <i>Nature Communications</i> , 2015, 6, 6153.	12.8	175
16	Rac1 Activity Is Required for the Activation of Hypoxia-inducible Factor 1. <i>Journal of Biological Chemistry</i> , 2001, 276, 21166-21172.	3.4	149
17	Cancer cells that survive radiation therapy acquire HIF-1 activity and translocate towards tumour blood vessels. <i>Nature Communications</i> , 2012, 3, 783.	12.8	149
18	Full-length 16S rRNA gene amplicon analysis of human gut microbiota using MinION <sup>®</sup> nanopore sequencing confers species-level resolution. <i>BMC Microbiology</i> , 2021, 21, 35.	3.3	146

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19	LPS Induces Hypoxia-Inducible Factor 1 Activation in Macrophage-Differentiated Cells in a Reactive Oxygen Species-Dependent Manner. <i>Antioxidants and Redox Signaling</i> , 2008, 10, 983-996.	5.4	136
20	Redox Regulation of the DNA Binding Activity in Transcription Factor PEBP2. <i>Journal of Biological Chemistry</i> , 1997, 272, 14497-14500.	3.4	128
21	Thioredoxin Superfamily and Thioredoxin-Inducing Agents. <i>Annals of the New York Academy of Sciences</i> , 2002, 957, 189-199.	3.8	128
22	Activation of hypoxia-inducible factor 1 during macrophage differentiation. <i>American Journal of Physiology - Cell Physiology</i> , 2006, 291, C104-C113.	4.6	110
23	Induction of ADF/TRX by oxidative stress in keratinocytes and lymphoid cells. <i>Immunology Letters</i> , 1995, 44, 189-193.	2.5	109
24	Thioredoxin reductase regulates AP-1 activity as well as thioredoxin nuclear localization via active cysteines in response to ionizing radiation. <i>Oncogene</i> , 2002, 21, 6317-6327.	5.9	106
25	Macrophage Migration Inhibitory Factor Activates Hypoxia-Inducible Factor in a p53-Dependent Manner. <i>PLoS ONE</i> , 2008, 3, e2215.	2.5	96
26	Rapid bacterial identification by direct PCR amplification of 16S rRNA genes using the MinION nanopore sequencer. <i>FEBS Open Bio</i> , 2019, 9, 548-557.	2.3	89
27	Geranylgeranylacetone Enhances Expression of Thioredoxin and Suppresses Ethanol-Induced Cytotoxicity in Cultured Hepatocytes. <i>Biochemical and Biophysical Research Communications</i> , 2000, 275, 825-830.	2.1	84
28	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
29	Aberrant IDH3 expression promotes malignant tumor growth by inducing HIF-1-mediated metabolic reprogramming and angiogenesis. <i>Oncogene</i> , 2015, 34, 4758-4766.	5.9	82
30	Thioredoxin Negatively Regulates p38 MAP Kinase Activation and IL-6 Production by Tumor Necrosis Factor- $\alpha$ . <i>Biochemical and Biophysical Research Communications</i> , 1999, 258, 443-447.	2.1	73
31	Redox Regulation of the Embryonic Stem Cell Transcription Factor Oct4 by Thioredoxin. <i>Stem Cells</i> , 2004, 22, 259-264.	3.2	70
32	Hydrogen Sulfide Inhibits Hypoxia- But Not Anoxia-Induced Hypoxia-Inducible Factor 1 Activation in a von Hippel-Lindau- and Mitochondria-Dependent Manner. <i>Antioxidants and Redox Signaling</i> , 2012, 16, 203-216.	5.4	70
33	An intimate crosstalk between iron homeostasis and oxygen metabolism regulated by the hypoxia-inducible factors (HIFs). <i>Free Radical Biology and Medicine</i> , 2019, 133, 118-129.	2.9	70
34	Transactivation of an inducible anti-oxidative stress protein, human thioredoxin by HTLV-I Tax. <i>Immunology Letters</i> , 1996, 54, 67-71.	2.5	67
35	General Anesthetics Inhibit LPS-Induced IL-1 $\beta$ Expression in Glial Cells. <i>PLoS ONE</i> , 2013, 8, e82930.	2.5	62
36	Activation of hypoxia-inducible factor-1 attenuates periapical inflammation and bone loss. <i>International Journal of Oral Science</i> , 2018, 10, 12.	8.6	57

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37	Redox-sensitive Transactivation of Epidermal Growth Factor Receptor by Tumor Necrosis Factor Confers the NF- $\kappa$ B Activation. <i>Journal of Biological Chemistry</i> , 2001, 276, 25953-25958.	3.4	56
38	Cigarette smoke reversibly activates hypoxia-inducible factor 1 in a reactive oxygen species-dependent manner. <i>Scientific Reports</i> , 2016, 6, 34424.	3.3	55
39	Propofol induces a metabolic switch to glycolysis and cell death in a mitochondrial electron transport chain-dependent manner. <i>PLoS ONE</i> , 2018, 13, e0192796.	2.5	55
40	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
41	Hypoxia-inducible factor 1, a master transcription factor of cellular hypoxic gene expression. <i>Journal of Anesthesia</i> , 2002, 16, 150-159.	1.7	52
42	HIF-1 $\pm$ Prolyl Hydroxylase Inhibitors and Their Implications for Biomedicine: A Comprehensive Review. <i>Biomedicines</i> , 2021, 9, 468.	3.2	50
43	Thioredoxin Inhibits Tumor Necrosis Factor- or Interleukin-1-Induced NF- $\kappa$ B Activation at a Level Upstream of NF- $\kappa$ B-Inducing Kinase. <i>Antioxidants and Redox Signaling</i> , 2000, 2, 83-92.	5.4	49
44	The intravenous anesthetic propofol inhibits lipopolysaccharide-induced hypoxia-inducible factor 1 activation and suppresses the glucose metabolism in macrophages. <i>Journal of Anesthesia</i> , 2010, 24, 54-60.	1.7	49
45	Differential expression of glutaredoxin and thioredoxin during monocytic differentiation. <i>Immunology Letters</i> , 1999, 68, 397-401.	2.5	48
46	HIF-1-mediated suppression of mitochondria electron transport chain function confers resistance to lidocaine-induced cell death. <i>Scientific Reports</i> , 2017, 7, 3816.	3.3	46
47	Synergistic effect of hypoxia and TNF- $\alpha$ on production of PAI-1 in human proximal renal tubular cells. <i>Kidney International</i> , 2005, 68, 569-583.	5.2	45
48	Demonstration of the interaction of thioredoxin with p40phox, a phagocyte oxidase component, using a yeast two-hybrid system. <i>Immunology Letters</i> , 1999, 68, 155-159.	2.5	41
49	Involvement of Hypoxia-Inducible Factors in the Dysregulation of Oxygen Homeostasis in Sepsis. <i>Cardiovascular &amp; Hematological Disorders Drug Targets</i> , 2015, 15, 29-40.	0.7	41
50	Persisting mild hypothermia suppresses hypoxia-inducible factor-1 $\pm$ 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
51	Meta-Analysis of Hypoxic Transcriptomes from Public Databases. <i>Biomedicines</i> , 2020, 8, 10.	3.2	39
52	Reversible inhibition of hypoxia-inducible factor 1 activation by exposure of hypoxic cells to the volatile anesthetic halothane. <i>FEBS Letters</i> , 2001, 509, 225-229.	2.8	37
53	The intravenous anesthetic propofol inhibits hypoxia-inducible factor 1 activity in an oxygen tension-dependent manner. <i>FEBS Letters</i> , 2004, 577, 434-438.	2.8	37
54	General Anesthetics Inhibit Erythropoietin Induction under Hypoxic Conditions in the Mouse Brain. <i>PLoS ONE</i> , 2011, 6, e29378.	2.5	35

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55	Hypoxia reduces the expression and anti-inflammatory effects of peroxisome proliferator-activated receptor- $\alpha$ in human proximal renal tubular cells. <i>Nephrology Dialysis Transplantation</i> , 2007, 22, 1041-1051.	0.7	34
56	Basic Biology of Hypoxic Responses Mediated by the Transcription Factor HIFs and Its Implication for Medicine. <i>Biomedicines</i> , 2020, 8, 32.	3.2	33
57	Geranylgeranylacetone promotes induction and secretion of thioredoxin in gastric mucosal cells and peripheral blood lymphocytes. <i>Free Radical Research</i> , 2001, 35, 23-30.	3.3	32
58	Two cases of hyperkalemia after administration of hypertonic mannitol during craniotomy. <i>Journal of Anesthesia</i> , 2005, 19, 75-77.	1.7	32
59	The antioxidant N-acetyl cysteine suppresses lidocaine-induced intracellular reactive oxygen species production and cell death in neuronal SH-SY5Y cells. <i>BMC Anesthesiology</i> , 2016, 16, 104.	1.8	31
60	The inhibitory effect of sodium nitroprusside on HIF-1 activation is not dependent on nitric oxide-soluble guanylyl cyclase pathway. <i>Biochemical and Biophysical Research Communications</i> , 2004, 324, 417-423.	2.1	30
61	Targeting cholesterol with $\beta$ -cyclodextrin sensitizes cancer cells for apoptosis. <i>FEBS Letters</i> , 2015, 589, 4097-4105.	2.8	28
62	6-formylpterin, a xanthine oxidase inhibitor, intracellularly generates reactive oxygen species involved in apoptosis and cell proliferation. <i>Free Radical Biology and Medicine</i> , 2001, 30, 248-259.	2.9	27
63	Mouse glutaredoxin $\alpha$ cDNA cloning, high level expression in <i>E. coli</i> and its possible implication in redox regulation of the DNA binding activity in transcription factor PEBP2. <i>Free Radical Research</i> , 1999, 31, 357-365.	3.3	26
64	Intravenous anesthetic propofol suppresses prostaglandin $E_2$ and cysteinyl leukotriene production and reduces edema formation in arachidonic acid-induced ear inflammation. <i>Journal of Immunotoxicology</i> , 2015, 12, 261-265.	1.7	26
65	Involvement of decreased hypoxia-inducible factor 1 activity and resultant G1 $\rightarrow$ S cell cycle transition in radioresistance of perinecrotic tumor cells. <i>Oncogene</i> , 2013, 32, 2058-2068.	5.9	25
66	Overexpression of gankyrin in mouse hepatocytes induces hemangioma by suppressing factor inhibiting hypoxia-inducible factor-1 (FIH-1) and activating hypoxia-inducible factor-1. <i>Biochemical and Biophysical Research Communications</i> , 2013, 432, 22-27.	2.1	24
67	Characterizing the gut microbiota in females with infertility and preliminary results of a water-soluble dietary fiber intervention study. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2020, 67, 105-111.	1.4	24
68	The intravenous anesthetics barbiturates inhibit hypoxia-inducible factor 1 activation. <i>European Journal of Pharmacology</i> , 2009, 617, 17-22.	3.5	23
69	Suppression of mitochondrial oxygen metabolism mediated by the transcription factor HIF-1 alleviates propofol-induced cell toxicity. <i>Scientific Reports</i> , 2018, 8, 8987.	3.3	22
70	Inhibiting SARS-CoV-2 infection in vitro by suppressing its receptor, angiotensin-converting enzyme 2, via aryl-hydrocarbon receptor signal. <i>Scientific Reports</i> , 2021, 11, 16629.	3.3	21
71	The volatile anesthetics halothane and isoflurane differentially modulate proinflammatory cytokine-induced p38 mitogen-activated protein kinase activation. <i>Journal of Anesthesia</i> , 2004, 18, 203-9.	1.7	20
72	Hypoxia reduces constitutive and TNF- $\alpha$ -induced expression of monocyte chemoattractant protein-1 in human proximal renal tubular cells. <i>Biochemical and Biophysical Research Communications</i> , 2005, 335, 1026-1034.	2.1	20

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73	Regulation of hypoxia-inducible factor 1 by glucose availability under hypoxic conditions. Kobe Journal of Medical Sciences, 2008, 53, 283-96.	0.2	20
74	Gallate, the component of HIF-inducing catechins, inhibits HIF prolyl hydroxylase. Biochemical and Biophysical Research Communications, 2006, 351, 234-239.	2.1	19
75	The calcium channel blocker cilnidipine selectively suppresses hypoxia-inducible factor 1 activity in vascular cells. European Journal of Pharmacology, 2009, 606, 130-136.	3.5	19
76	Fentanyl activates hypoxia-inducible factor 1 in neuronal SH-SY5Y cells and mice under non-hypoxic conditions in a $\mu$ -opioid receptor-dependent manner. European Journal of Pharmacology, 2011, 667, 144-152.	3.5	19
77	Inhibition of the human intermediate conductance $Ca^{2+}$ -activated $K^{+}$ channel, hK1, by volatile anesthetics. European Journal of Pharmacology, 2000, 395, 95-101.	3.5	17
78	Pituitary apoplexy during general anesthesia in beach chair position for shoulder joint arthroplasty. Journal of Anesthesia, 2010, 24, 476-478.	1.7	17
79	Macrophage migration inhibitory factor diminishes muscle glucose transport induced by insulin and AICAR in a muscle type-dependent manner. Biochemical and Biophysical Research Communications, 2014, 444, 496-501.	2.1	17
80	n-Propyl gallate activates hypoxia-inducible factor 1 by modulating intracellular oxygen-sensing systems. Biochemical Journal, 2008, 411, 97-105.	3.7	16
81	Thyroid Hormone Facilitates in vitro Decidualization of Human Endometrial Stromal Cells via Thyroid Hormone Receptors. Endocrinology, 2020, 161, .	2.8	16
82	Mitigation of inflammation using the intravenous anesthetic dexmedetomidine in the mouse air pouch model. Immunopharmacology and Immunotoxicology, 2017, 39, 225-232.	2.4	14
83	Structure of the mouse thioredoxin-encoding gene and its processed pseudogene. Gene, 1995, 152, 165-171.	2.2	13
84	An endogenous redox molecule, thioredoxin, regulates transactivation of epidermal growth factor receptor and activation of NF- $\kappa$ B by lysophosphatidic acid. FEBS Letters, 2001, 489, 134-138.	2.8	13
85	Efficacy of single-dose intravenous immunoglobulin administration for severe sepsis and septic shock. Journal of Intensive Care, 2013, 1, 4.	2.9	13
86	Real-time diagnostic analysis of MinION <sup>®</sup> , $\phi$ -based metagenomic sequencing in clinical microbiology evaluation: a case report. JA Clinical Reports, 2019, 5, 24.	0.7	13
87	Exhaled Carbon Monoxide Levels Change in Relation to Inspired Oxygen Fraction During General Anesthesia. Anesthesia and Analgesia, 2007, 105, 696-699.	2.2	12
88	Redox regulation by thioredoxin and its related molecules. Drug News and Perspectives, 2002, 15, 575.	1.5	12
89	Propofol inhibits stromatoxin-1-sensitive voltage-dependent $K^{+}$ channels in pancreatic $\beta$ -cells and enhances insulin secretion. PeerJ, 2019, 7, e8157.	2.0	12
90	MinION, a portable long-read sequencer, enables rapid vaginal microbiota analysis in a clinical setting. BMC Medical Genomics, 2022, 15, 68.	1.5	12

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91	The impact of remifentanyl on incidence and severity of postoperative nausea and vomiting in a university hospital-based ambulatory surgery center: a retrospective observation study. <i>Korean Journal of Anesthesiology</i> , 2013, 65, 142.	2.5	11
92	Cancerous phenotypes associated with hypoxia-inducible factors are not influenced by the volatile anesthetic isoflurane in renal cell carcinoma. <i>PLoS ONE</i> , 2019, 14, e0215072.	2.5	11
93	Cigarette Smoke Extract Activates Hypoxia-Inducible Factors in a Reactive Oxygen Species-Dependent Manner in Stroma Cells from Human Endometrium. <i>Antioxidants</i> , 2021, 10, 48.	5.1	11
94	Monitored anesthesia care with dexmedetomidine of a patient with severe pulmonary arterial hypertension for inguinal hernioplasty. <i>Journal of Anesthesia</i> , 2010, 24, 611-613.	1.7	10
95	VHL-deficient renal cancer cells gain resistance to mitochondria-activating apoptosis inducers by activating AKT through the IGF1R-PI3K pathway. <i>Tumor Biology</i> , 2016, 37, 13295-13306.	1.8	10
96	Transmembrane thioredoxin-related protein <sc>TMX</sc>1 is reversibly oxidized in response to protein accumulation in the endoplasmic reticulum. <i>FEBS Open Bio</i> , 2017, 7, 1768-1777.	2.3	10
97	The effects of local anesthetics on cellular hypoxia-induced gene responses mediated by hypoxia-inducible factor 1. <i>Journal of Anesthesia</i> , 2005, 19, 54-59.	1.7	9
98	Successful airway management with use of a laryngeal mask airway in a patient with CHARGE syndrome. <i>Journal of Anesthesia</i> , 2009, 23, 630-632.	1.7	9
99	Pharmacological polysulfide suppresses glucose-stimulated insulin secretion in an ATP-sensitive potassium channel-dependent manner. <i>Scientific Reports</i> , 2019, 9, 19377.	3.3	9
100	Deactivation of Glutaminolysis Sensitizes PIK3CA-Mutated Colorectal Cancer Cells to Aspirin-Induced Growth Inhibition. <i>Cancers</i> , 2020, 12, 1097.	3.7	9
101	Volatile anesthetics suppress glucose-stimulated insulin secretion in MIN6 cells by inhibiting glucose-induced activation of hypoxia-inducible factor 1. <i>PeerJ</i> , 2015, 3, e1498.	2.0	9
102	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
103	Polysulfide inhibits hypoxia-elicited hypoxia-inducible factor activation in a mitochondria-dependent manner. <i>Mitochondrion</i> , 2021, 59, 255-266.	3.4	8
104	Differential roles of prostaglandin E-type receptors in activation of hypoxia-inducible factor 1 by prostaglandin E1 in vascular-derived cells under non-hypoxic conditions. <i>PeerJ</i> , 2013, 1, e220.	2.0	8
105	16S rRNA nanopore sequencing for the diagnosis of ocular infection: a feasibility study. <i>BMJ Open Ophthalmology</i> , 2022, 7, e000910.	1.6	8
106	Complete resolution of myoclonus-like involuntary movements under subarachnoid block after midazolam administration in a patient undergoing cesarean section: a case report. <i>Korean Journal of Anesthesiology</i> , 2015, 68, 193.	2.5	7
107	Rapid detection of single nucleotide polymorphisms using the MinION nanopore sequencer: a feasibility study for perioperative precision medicine. <i>JA Clinical Reports</i> , 2022, 8, 17.	0.7	7
108	Inhibition of E-selectin-mediated leukocyte adhesion by volatile anesthetics in a static condition. <i>Journal of Anesthesia</i> , 2005, 19, 1-6.	1.7	6

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109	Inhibitory Effect of 6-Formylpterin on HIF-1.ALPHA. Protein Accumulation. Biological and Pharmaceutical Bulletin, 2007, 30, 2181-2184.	1.4	6
110	Î±-Phenyl-N-tert-butyl Nitron Has Scavenging Activity Against Singlet Oxygen (1O2) and Attenuates 1O2-Induced Neuronal Cell Death. Journal of Pharmacological Sciences, 2008, 108, 545-549.	2.5	6
111	Takotsubo cardiomyopathy during ambulatory anesthesia for bladder hydrodistension therapy -A case report-. Korean Journal of Anesthesiology, 2012, 62, 484.	2.5	6
112	The volatile anesthetic isoflurane differentially suppresses the induction of erythropoietin synthesis elicited by acute anemia and systemic hypoxemia in mice in an hypoxia-inducible factor-2-dependent manner. European Journal of Pharmacology, 2014, 732, 43-49.	3.5	6
113	Critical Care Demand and Intensive Care Supply for Patients in Japan with COVID-19 at the Time of the State of Emergency Declaration in April 2020: A Descriptive Analysis. Medicina (Lithuania), 2020, 56, 530.	2.0	6
114	Development of antitumor biguanides targeting energy metabolism and stress responses in the tumor microenvironment. Scientific Reports, 2021, 11, 4852.	3.3	6
115	Pulmonary vein thrombosis and cerebral infarction after video-assisted thoracic surgery of the left upper lobe: a case series. JA Clinical Reports, 2020, 6, 71.	0.7	6
116	Opioid receptor stimulation does not affect cellular hypoxia-induced gene responses mediated by hypoxia-inducible factor 1 in cultured cell lines. Journal of Anesthesia, 2005, 19, 263-265.	1.7	5
117	Hypoxia-dependent signaling in perioperative and critical care medicine. Journal of Anesthesia, 2021, 35, 741-756.	1.7	5
118	Impact of hydroxyethyl starch 70/0.5 on acute kidney injury after gastroenterological surgery. Korean Journal of Anesthesiology, 2016, 69, 460.	2.5	5
119	Activation of transcription factor HIF inhibits IL-1Î²-induced NO production in primary cultured rat hepatocytes. Nitric Oxide - Biology and Chemistry, 2022, 124, 1-14.	2.7	5
120	Isolation and Characterization of Mammalian Otic Progenitor Cells that Can Differentiate into Both Sensory Epithelial and Neuronal Cell Lineages. Anatomical Record, 2020, 303, 451-460.	1.4	4
121	Effects of n-propyl gallate on neuronal survival after forebrain ischemia in rats. Resuscitation, 2012, 83, 249-252.	3.0	3
122	Successful perioperative management of a patient with primary systemic carnitine deficiency: a case report. Journal of Anesthesia, 2013, 27, 141-142.	1.7	3
123	Accidental administration of the remifentanyl formulation Ultivaâ„¢ into the epidural space and the complete time course of its consequences: a case report. JA Clinical Reports, 2016, 2, 19.	0.7	3
124	Rapid development of a spinal epidural hematoma following thoracic epidural catheter removal in an esophageal carcinoma surgical patient: a case report. JA Clinical Reports, 2016, 2, 37.	0.7	3
125	Asymptomatic Hypoxemia as a Characteristic Symptom of Coronavirus Disease: A Narrative Review of Its Pathophysiology. Covid, 2022, 2, 47-61.	1.5	3
126	Effects of combined intravenous nicardipine and diltiazem administration on the circulatory response to laryngoscopy and tracheal intubation. Journal of Anesthesia, 1994, 8, 163-166.	1.7	2



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127	Ectopic ACTH syndrome revealed as severe hypokalemia and persistent hypertension during the perioperative period: a case report. <i>Journal of Anesthesia</i> , 2011, 25, 104-107.	1.7	2
128	Hypoxia-inducible Factors Are Already “Active” in the Von Hippel-Lindau“deficient Renal Cell Carcinoma-4 Cells. <i>Anesthesiology</i> , 2014, 120, 1523-1523.	2.5	2
129	A proposal for a new temperature-corrected formula for the oxygen content of blood. <i>JA Clinical Reports</i> , 2020, 6, 62.	0.7	2
130	Successful identification of <i>Granulicatella adiacens</i> in postoperative acute infectious endophthalmitis using a bacterial 16S ribosomal RNA gene-sequencing platform with MinION®, c: A case report. <i>American Journal of Ophthalmology Case Reports</i> , 2022, 26, 101524.	0.7	2
131	Comparison of continuous intraarterial blood gas analysis and transcutaneous monitoring to measure oxygen partial pressure during one-lung ventilation. <i>Journal of Anesthesia</i> , 2007, 21, 110-111.	1.7	1
132	Estimation of the Number of General Anesthesia Cases Based on a Series of Nationwide Surveys on Twitter during COVID-19 Pandemic in Japan: A Statistical Analysis. <i>Medicina (Lithuania)</i> , 2021, 57, 153.	2.0	1
133	Efficacy of active hexose correlated compound on survival of patients with resectable/borderline resectable pancreatic cancer: a study protocol for a double-blind randomized phase II study. <i>Trials</i> , 2022, 23, 135.	1.6	1
134	Establishment of a novel assessment of the quality of human spermatozoa measuring mitochondrial oxygen metabolism. <i>BMC Research Notes</i> , 2022, 15, 123.	1.4	1
135	Successful perioperative airway management in a patient with angiomatous macroglossia for laser ablation under general anesthesia. <i>Journal of Anesthesia</i> , 2013, 27, 789-790.	1.7	0
136	Fentanyl and Its Impact on Cell Functions. , 2016, , 497-507.		0
137	Effect of anesthetics on insulin secretion and their mechanism. <i>The Journal of Kansai Medical University</i> , 2021, 72, 23-27.	0.3	0