

Koichi Yuki

List of Publications by Year in descending order

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Version: 2024-02-01

82
papers

2,841
citations

331670

21
h-index

189892

50
g-index

84
all docs

84
docs citations

84
times ranked

4085
citing authors

#	ARTICLE	IF	CITATIONS
1	The Characterization of Postoperative Mechanical Respiratory Requirement in Neonates and Infants Undergoing Cardiac Surgery on Cardiopulmonary Bypass in a Single Tertiary Institution. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2022, 36, 215-221.	1.3	1
2	Long QT Syndrome and Perioperative Torsades de Pointes: What the Anesthesiologist Should Know. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2022, 36, 286-302.	1.3	9
3	CCR6 and CXCR6 Identify the Th17 Cells With Cytotoxicity in Experimental Autoimmune Encephalomyelitis. <i>Frontiers in Immunology</i> , 2022, 13, 819224.	4.8	17
4	Isoflurane attenuates sepsis-associated lung injury. <i>Biochemical and Biophysical Research Communications</i> , 2022, 599, 127-133.	2.1	2
5	Predictive Factors for Postoperative Intensive Care Unit Admission and Mechanical Ventilation After Cardiac Catheterization for Pediatric Pulmonary Vein Stenosis. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2022, , .	1.3	5
6	How Should We Care for Patients with Congenital Heart Diseases Undergoing Surgical Procedures in Ambulatory Settings?. <i>Translational Perioperative and Pain Medicine</i> , 2022, 9, 416-420.	0.1	0
7	Use of clindamycin as an alternative antibiotic prophylaxis. <i>Perioperative Care and Operating Room Management</i> , 2022, 28, 100278.	0.3	1
8	The Role of Anesthetic Management in Surgical Site Infections After Pediatric Intestinal Surgery. <i>Journal of Surgical Research</i> , 2021, 259, 546-554.	1.6	7
9	Mechanistic consideration of the effect of perioperative volatile anesthetics on phagocytes. <i>Clinical Immunology</i> , 2021, 222, 108635.	3.2	8
10	The Use of Regional Catheters in Children Undergoing Repair of Aortic Coarctation. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2021, 35, 3694-3699.	1.3	2
11	Surgical Site Infections and Perioperative Optimization of Host Immunity by Selection of Anesthetics. <i>BioMed Research International</i> , 2021, 2021, 1-9.	1.9	2
12	Risk factors for pediatric surgical site infection following neurosurgical procedures for hydrocephalus: a retrospective single-center cohort study. <i>BMC Anesthesiology</i> , 2021, 21, 124.	1.8	7
13	Cathepsin L regulates pathogenic CD4 T cells in experimental autoimmune encephalomyelitis. <i>International Immunopharmacology</i> , 2021, 93, 107425.	3.8	3
14	The Role of Anesthetic Selection in Perioperative Bleeding. <i>BioMed Research International</i> , 2021, 2021, 1-6.	1.9	2
15	Anesthetics isoflurane and sevoflurane attenuate flagellin-mediated inflammation in the lung. <i>Biochemical and Biophysical Research Communications</i> , 2021, 557, 254-260.	2.1	5
16	Neutrophil and T Cell Functions in Patients with Congenital Heart Diseases: A Review. <i>Pediatric Cardiology</i> , 2021, 42, 1478-1482.	1.3	5
17	The immunomodulatory mechanism of dexmedetomidine. <i>International Immunopharmacology</i> , 2021, 97, 107709.	3.8	21
18	Pattern recognition receptors as therapeutic targets for bacterial, viral and fungal sepsis. <i>International Immunopharmacology</i> , 2021, 98, 107909.	3.8	11

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19	Left Ventricular Outflow Tract Gradient Is Associated With Coronary Artery Obstruction in Children With Williams-Beuren Syndrome. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2021, 35, 3677-3680.	1.3	1
20	The Role of General Anesthetic Drug Selection in Cancer Outcome. <i>BioMed Research International</i> , 2021, 2021, 1-8.	1.9	3
21	The Microbial Flora in an Experimental Polymicrobial Abdominal Sepsis Model Probed by 16S rRNA Sequencing. <i>Translational Perioperative and Pain Medicine</i> , 2021, 8, 305-311.	0.1	0
22	Translational Role of Rodent Models to Study Ventilator-Induced Lung Injury.. <i>Translational Perioperative and Pain Medicine</i> , 2021, 8, 404-415.	0.1	0
23	Incidence and predictors of postoperative nausea and vomiting in children undergoing electrophysiology ablation procedures. <i>Paediatric Anaesthesia</i> , 2020, 30, 147-152.	1.1	4
24	Volatile Anesthetic Sevoflurane Attenuates Toll-Like Receptor 1/2 Activation. <i>Anesthesia and Analgesia</i> , 2020, 131, 631-639.	2.2	18
25	A simple screening test of filtration efficiency for protecting the gas sampling line from coronavirus using fluorescent microspheres. <i>Paediatric Anaesthesia</i> , 2020, 30, 1269-1274.	1.1	1
26	SerpineB1 expression in Th17 cells depends on hypoxia-inducible factor 1-alpha. <i>International Immunopharmacology</i> , 2020, 87, 106826.	3.8	6
27	The effect of anesthetics on toll like receptor 9. <i>FASEB Journal</i> , 2020, 34, 14645-14654.	0.5	3
28	Role of β 2 Integrins in Neutrophils and Sepsis. <i>Infection and Immunity</i> , 2020, 88, .	2.2	14
29	The role of propofol hydroxyl group in 5-lipoxygenase recognition. <i>Biochemical and Biophysical Research Communications</i> , 2020, 525, 909-914.	2.1	5
30	COVID-19 pathophysiology: A review. <i>Clinical Immunology</i> , 2020, 215, 108427.	3.2	1,414
31	Intubation precautions in a pediatric patient with severe COVID-19. <i>Journal of Pediatric Surgery Case Reports</i> , 2020, 58, 101495.	0.2	4
32	CD11c regulates hematopoietic stem and progenitor cells under stress. <i>Blood Advances</i> , 2020, 4, 6086-6097.	5.2	13
33	Anesthetic Management for Heart Transplantation in Adults with Congenital Heart Disease. <i>Translational Perioperative and Pain Medicine</i> , 2020, 7, 248-252.	0.1	1
34	Should we Routinely Reverse Neuromuscular Blockade with Sugammadex in Patients with a History of Heart Transplantation?. <i>Translational Perioperative and Pain Medicine</i> , 2020, 7, 185-189.	0.1	1
35	Model of Stretch-Induced Lung Injury to Study Different Lung Ventilation Regimens and the Role of Sedatives. <i>Translational Perioperative and Pain Medicine</i> , 2020, 7, 258-264.	0.1	1
36	Volatile anesthetics isoflurane and sevoflurane directly target and attenuate Toll-like receptor 4 system. <i>FASEB Journal</i> , 2019, 33, 14528-14541.	0.5	29

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37	The volatile anesthetic sevoflurane reduces neutrophil apoptosis via Fas death domain-Fas-associated death domain interaction. <i>FASEB Journal</i> , 2019, 33, 12668-12679.	0.5	20
38	Serp1b1 controls encephalitogenic T helper cells in neuroinflammation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 20635-20643.	7.1	23
39	The Use of Volatile Anesthetics as Sedatives for Acute Respiratory Distress Syndrome. <i>Translational Perioperative and Pain Medicine</i> , 2019, 6, 27-38.	0.1	16
40	Volatile anesthetics affect macrophage phagocytosis. <i>PLoS ONE</i> , 2019, 14, e0216163.	2.5	25
41	Volatile Anesthetic Attenuates Phagocyte Function and Worsens Bacterial Loads in Wounds. <i>Journal of Surgical Research</i> , 2019, 233, 323-330.	1.6	17
42	The Outcomes of Pediatric Hematopoietic Stem Cell Transplantation Recipients Requiring Intensive Care Unit Admission- A Single Center Experience. <i>Translational Perioperative and Pain Medicine</i> , 2019, 6, 75-80.	0.1	3
43	Validation of a Mathematical Model of Bidirectional Glenn Circulation With Aortopulmonary Collaterals and the Implications for Q P /Q S Calculation. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2018, 32, 395-401.	1.3	5
44	Ligand- and cation-induced structural alterations of the leukocyte integrin LFA-1. <i>Journal of Biological Chemistry</i> , 2018, 293, 6565-6577.	3.4	21
45	Incidence and Risk Factors of Perioperative Mortality in Pediatric ICU Patients. <i>Translational Perioperative and Pain Medicine</i> , 2018, 5, 49-54.	0.1	1
46	Unanticipated hospital admission in pediatric patients with congenital heart disease undergoing ambulatory noncardiac surgical procedures. <i>Paediatric Anaesthesia</i> , 2018, 28, 607-611.	1.1	8
47	Induction techniques for pediatric patients with congenital heart disease undergoing noncardiac procedures are influenced by cardiac functional status and residual lesion burden. <i>Journal of Clinical Anesthesia</i> , 2018, 50, 14-17.	1.6	10
48	Incidence and Risk Factors for Perioperative Cardiovascular and Respiratory Adverse Events in Pediatric Patients With Congenital Heart Disease Undergoing Noncardiac Procedures. <i>Anesthesia and Analgesia</i> , 2018, 127, 724-729.	2.2	20
49	Volatile Anesthetic Isoflurane Attenuates Liver Injury in Experimental Polymicrobial Sepsis Model. <i>Translational Perioperative and Pain Medicine</i> , 2018, 5, 63-74.	0.1	8
50	Prolonged exposure to volatile anesthetic isoflurane worsens the outcome of polymicrobial abdominal sepsis. <i>Toxicological Sciences</i> , 2017, 156, kfw261.	3.1	35
51	Intravenous anesthetic propofol binds to cyclooxygenase and attenuates leukotriene B ₄ production. <i>FASEB Journal</i> , 2017, 31, 1584-1594.	0.5	11
52	Non-invasive Assessment of Cerebral Blood Flow and Oxygen Metabolism in Neonates during Hypothermic Cardiopulmonary Bypass: Feasibility and Clinical Implications. <i>Scientific Reports</i> , 2017, 7, 44117.	3.3	41
53	The effect of different anesthetics on tumor cytotoxicity by natural killer cells. <i>Toxicology Letters</i> , 2017, 266, 23-31.	0.8	52
54	The Differential Effects of Anesthetics on Bacterial Behaviors. <i>PLoS ONE</i> , 2017, 12, e0170089.	2.5	13

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55	Pediatric Perioperative Stress Responses and Anesthesia. <i>Translational Perioperative and Pain Medicine</i> , 2017, 2, 1-12.	0.1	9
56	Mechanisms of the Immunological Effects of Volatile Anesthetics: A Review. <i>Anesthesia and Analgesia</i> , 2016, 123, 326-335.	2.2	78
57	Incidence and risk factors for postoperative vomiting following atrial septal defect repair in children. <i>Paediatric Anaesthesia</i> , 2016, 26, 644-648.	1.1	8
58	Post-Operative Outcomes in Children With and Without Congenital Heart Disease Undergoing Noncardiac Surgery. <i>Journal of the American College of Cardiology</i> , 2016, 67, 793-801.	2.8	80
59	Differential effects of volatile anesthetics on leukocyte integrin macrophage-1 antigen. <i>Journal of Immunotoxicology</i> , 2016, 13, 148-156.	1.7	20
60	A translational consideration of intercellular adhesion molecule-1 biology in the perioperative setting. <i>Translational Perioperative and Pain Medicine</i> , 2016, 1, 17-23.	0.1	3
61	Cardiopulmonary bypass in the pediatric population. <i>Bailliere's Best Practice and Research in Clinical Anaesthesiology</i> , 2015, 29, 241-256.	4.0	29
62	Comparison of actual oxygen delivery kinetics to those predicted by mathematical modeling following stage 1 palliation just prior to superior cavopulmonary anastomosis. <i>Paediatric Anaesthesia</i> , 2015, 25, 174-179.	1.1	1
63	Leukocyte function-associated antigen-1 deficiency impairs responses to polymicrobial sepsis. <i>World Journal of Clinical Cases</i> , 2015, 3, 793.	0.8	8
64	Sepsis Pathophysiology and Anesthetic Consideration. <i>Cardiovascular & Hematological Disorders Drug Targets</i> , 2015, 15, 57-69.	0.7	30
65	The Role of Macrophage 1 Antigen in Polymicrobial Sepsis. <i>Shock</i> , 2014, 42, 532-539.	2.1	31
66	Stereoselectivity of Isoflurane in Adhesion Molecule Leukocyte Function-Associated Antigen-1. <i>PLoS ONE</i> , 2014, 9, e96649.	2.5	6
67	Application of encoded library technology (ELT) to a protein-protein interaction target: Discovery of a potent class of integrin lymphocyte function-associated antigen 1 (LFA-1) antagonists. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 2353-2365.	3.0	88
68	Isoflurane inhibits neutrophil recruitment in the cutaneous Arthus reaction model. <i>Journal of Anesthesia</i> , 2013, 27, 261-268.	1.7	35
69	Improvement of PaO ₂ During One-Lung Ventilation With Partial Left-Heart Bypass in Pediatric Patients Is Caused by Increased Blood Flow to the Dependent Lung. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2013, 27, 542-545.	1.3	2
70	Propofol Shares the Binding Site with Isoflurane and Sevoflurane on Leukocyte Function-Associated Antigen-1. <i>Anesthesia and Analgesia</i> , 2013, 117, 803-811.	2.2	23
71	An internal ligand-bound, metastable state of a leukocyte integrin, $\alpha_5\beta_2$. <i>Journal of Cell Biology</i> , 2013, 203, 629-642.	5.2	82
72	Volatile Anesthetics, Not Intravenous Anesthetic Propofol Bind to and Attenuate the Activation of Platelet Receptor Integrin $\alpha_{IIb}\beta_3$. <i>PLoS ONE</i> , 2013, 8, e60415.	2.5	26

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73	Isoflurane binds and stabilizes a closed conformation of the leukocyte function-associated antigen-1. FASEB Journal, 2012, 26, 4408-4417.	0.5	40
74	Ventricular-assist device therapy in children. Bailliere's Best Practice and Research in Clinical Anaesthesiology, 2012, 26, 247-264.	4.0	5
75	A Mathematical Model of Transitional Circulation Toward Biventricular Repair in Hypoplastic Left Heart Syndrome. Anesthesia and Analgesia, 2012, 115, 618-626.	2.2	7
76	Sedative Drug Modulates T-Cell and Lymphocyte Function-Associated Antigen-1 Function. Anesthesia and Analgesia, 2011, 112, 830-838.	2.2	37
77	Anesthetic management of noncardiac surgery for patients with single ventricle physiology. Journal of Anesthesia, 2011, 25, 247-256.	1.7	112
78	Cell-Free Ligand-Binding Assays for Integrin LFA-1. Methods in Molecular Biology, 2011, 757, 73-78.	0.9	0
79	Postoperative maladaptive behavioral changes in children. Middle East Journal of Anesthesiology, 2011, 21, 183-9.	0.2	10
80	Sevoflurane Binds and Allosterically Blocks Integrin Lymphocyte Function-associated Antigen-1. Anesthesiology, 2010, 113, 600-609.	2.5	60
81	The effect of left heart bypass on pulmonary blood flow and arterial oxygenation during one-lung ventilation in patients undergoing descending thoracic aortic surgery. Journal of Clinical Anesthesia, 2009, 21, 562-566.	1.6	6
82	The volatile anesthetic isoflurane perturbs conformational activation of integrin LFA-1 by binding to the allosteric regulatory cavity. FASEB Journal, 2008, 22, 4109-4116.	0.5	50