

Chien-Kun Ting

List of Publications by Year in descending order

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Version: 2024-02-01

91
papers

693
citations

567281

15
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713466

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all docs

92
docs citations

92
times ranked

745
citing authors

#	ARTICLE	IF	CITATIONS
1	A New Technique to Assist Epidural Needle Placement. <i>Anesthesiology</i> , 2010, 112, 1128-1135.	2.5	48
2	Use of higher thromboelastogram transfusion values is not associated with greater blood loss in liver transplant surgery. <i>Liver Transplantation</i> , 2012, 18, 1253-1257.	2.4	40
3	Eyes in the Needle. <i>Anesthesiology</i> , 2011, 114, 1320-1324.	2.5	36
4	Tubeless single-port thoracoscopic sublobar resection: indication and safety. <i>Journal of Thoracic Disease</i> , 2018, 10, 3729-3737.	1.4	25
5	High-Flow Nasal Cannula and Mandibular Advancement Bite Block Decrease Hypoxic Events during Sedative Esophagogastroduodenoscopy: A Randomized Clinical Trial. <i>BioMed Research International</i> , 2019, 2019, 1-7.	1.9	25
6	Clindamycin-induced Anaphylactic Shock During General Anesthesia. <i>Journal of the Chinese Medical Association</i> , 2006, 69, 549-551.	1.4	24
7	Using the Entropy of Tracheal Sounds to Detect Apnea during Sedation in Healthy Nonobese Volunteers. <i>Anesthesiology</i> , 2013, 118, 1341-1349.	2.5	24
8	Discriminant analysis for anaesthetic decision-making: an intelligent recognition system for epidural needle insertion. <i>British Journal of Anaesthesia</i> , 2012, 108, 302-307.	3.4	21
9	Response surface models in the field of anesthesia: A crash course. <i>Acta Anaesthesiologica Taiwanica</i> , 2015, 53, 139-145.	1.0	21
10	Oral capnography is more effective than nasal capnography during sedative upper gastrointestinal endoscopy. <i>Journal of Clinical Monitoring and Computing</i> , 2018, 32, 321-326.	1.6	20
11	Is tubeless uniportal video-assisted thoracic surgery for pulmonary wedge resection a safe procedure?. <i>European Journal of Cardio-thoracic Surgery</i> , 2020, 58, i70-i76.	1.4	19
12	Response Surface Model Predictions of Wake-Up Time During Scoliosis Surgery. <i>Anesthesia and Analgesia</i> , 2014, 118, 546-553.	2.2	18
13	Fiber-needle Swept-source Optical Coherence Tomography System for the Identification of the Epidural Space in Piglets. <i>Anesthesiology</i> , 2015, 122, 585-594.	2.5	17
14	Technique of fiber optics used to localize epidural space in piglets. <i>Optics Express</i> , 2010, 18, 11138.	3.4	16
15	Paradoxical Carbon Dioxide Embolism During Pneumoperitoneum in Laparoscopic Surgery for a Huge Renal Angiomyolipoma. <i>Journal of the Chinese Medical Association</i> , 2008, 71, 214-217.	1.4	15
16	Fluid management guided by stroke volume variation failed to decrease the incidence of acute kidney injury, 30-day mortality, and 1-year survival in living donor liver transplant recipients. <i>Journal of the Chinese Medical Association</i> , 2012, 75, 654-659.	1.4	15
17	Predicting postoperative vomiting among orthopedic patients receiving patient-controlled epidural analgesia using SVM and LR. <i>Scientific Reports</i> , 2016, 6, 27041.	3.3	15
18	Prevention of Dental Damage and Improvement of Difficult Intubation Using a Paraglossal Technique With a Straight Miller Blade. <i>Journal of the Chinese Medical Association</i> , 2010, 73, 553-556.	1.4	13

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19	Desflurane accelerates patient response during the wake-up test for scoliosis surgery. <i>Canadian Journal of Anaesthesia</i> , 2004, 51, 393-397.	1.6	12
20	A Response Surface Model Exploration of Dosing Strategies in Gastrointestinal Endoscopies Using Midazolam and Opioids. <i>Medicine (United States)</i> , 2016, 95, e3520.	1.0	12
21	Nonintubated video-assisted thoracic surgery with high-flow oxygen therapy shorten hospital stay. <i>Journal of the Chinese Medical Association</i> , 2020, 83, 943-949.	1.4	12
22	Novel Imaging Revealing Inner Dynamics for Cardiovascular Waveform Analysis via Unsupervised Manifold Learning. <i>Anesthesia and Analgesia</i> , 2020, 130, 1244-1254.	2.2	12
23	Patient controlled epidural analgesia for bilateral versus unilateral total knee arthroplasty: A retrospective study of pain control. <i>Journal of the Chinese Medical Association</i> , 2012, 75, 114-120.	1.4	11
24	Administrative and Claims Data Help Predict Patient Mortality in Intensive Care Units by Logistic Regression: A Nationwide Database Study. <i>BioMed Research International</i> , 2020, 2020, 1-10.	1.9	11
25	Accuracy of CO ₂ monitoring via nasal cannulas and oral bite blocks during sedation for esophagogastroduodenoscopy. <i>Journal of Clinical Monitoring and Computing</i> , 2016, 30, 169-173.	1.6	10
26	In vivo images of the epidural space with two- and three-dimensional optical coherence tomography in a porcine model. <i>PLoS ONE</i> , 2017, 12, e0172149.	2.5	10
27	Predicting the Best Fit. <i>Anesthesia and Analgesia</i> , 2016, 123, 299-308.	2.2	9
28	Eyes on the needle: Identification and confirmation of the epidural space. <i>Asian Journal of Anesthesiology</i> , 2017, 55, 30-34.	0.6	9
29	Efficiency of oxygen delivery through different oxygen entrainment devices during sedation under low oxygen flow rate: a bench study. <i>Journal of Clinical Monitoring and Computing</i> , 2018, 32, 519-525.	1.6	8
30	No enlargement of the right internal jugular vein of the dialysis patients in the Trendelenburg position. <i>Journal of the Chinese Medical Association</i> , 2013, 76, 401-406.	1.4	7
31	A desflurane and fentanyl dosing regimen for wake-up testing during scoliosis surgery: Implications for the time-course of emergence from anesthesia. <i>Journal of the Formosan Medical Association</i> , 2017, 116, 606-612.	1.7	7
32	Tracheal sounds accurately detect apnea in patients recovering from anesthesia. <i>Journal of Clinical Monitoring and Computing</i> , 2019, 33, 437-444.	1.6	7
33	Fire safety study on high-flow nasal oxygen in shared-airway surgeries with diathermy and laser: simulation based on a physical model. <i>Journal of Clinical Monitoring and Computing</i> , 2022, 36, 649-655.	1.6	7
34	How early warning with the Oxygen Reserve Index (ORI _{0.5}) can improve the detection of desaturation during induction of general anesthesia?. <i>Journal of Clinical Monitoring and Computing</i> , 2022, 36, 1379-1385.	1.6	7
35	Severe Carbon Dioxide Retention During Second Laparoscopic Surgery for Urgent Repair of an Operative Defect from the Preceding Laparoscopic Surgery. <i>Acta Anaesthesiologica Taiwanica</i> , 2008, 46, 124-128.	1.0	6
36	Priming with Rocuronium to Accelerate the Onset Time of Cisatracurium During Intubation. <i>Journal of the Chinese Medical Association</i> , 2009, 72, 15-19.	1.4	6

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37	Practical Preprocedure Measurement to Estimate the Required Insertion Depth and Select the Optimal Size of Tunneled Dialysis Catheter in Uremic Patients. <i>Seminars in Dialysis</i> , 2010, 23, 431-439.	1.3	6
38	Patient-machine interactions of intravenous patient-controlled analgesia in bilateral versus unilateral total knee arthroplasty: A retrospective study. <i>Journal of the Chinese Medical Association</i> , 2013, 76, 330-334.	1.4	6
39	Portable Optical Epidural Needle-A CMOS-Based System Solution and Its Circuit Design. <i>PLoS ONE</i> , 2014, 9, e106055.	2.5	5
40	Predicting Postoperative Vomiting for Orthopedic Patients Receiving Patient-Controlled Epidural Analgesia with the Application of an Artificial Neural Network. <i>BioMed Research International</i> , 2014, 2014, 1-6.	1.9	5
41	Previously published midazolam-alfentanil response surface model cannot predict patient response well in gastrointestinal endoscopy sedation. <i>Journal of the Chinese Medical Association</i> , 2016, 79, 146-151.	1.4	5
42	A previously published propofol-remifentanil response surface model does not predict patient response well in video-assisted thoracic surgery. <i>Medicine (United States)</i> , 2017, 96, e6895.	1.0	5
43	Nonintubated versus intubated one-stage preoperative localization and thoracoscopic lung resection. <i>JTCVS Techniques</i> , 2021, 10, 517-525.	0.4	5
44	Intelligent epidural needle placement using fiber-probe optical coherence tomography in a piglet model. <i>Biomedical Optics Express</i> , 2018, 9, 3711.	2.9	5
45	Improvement in vocal-cord visualization with Trachway video intubating stylet using direct oxygen flow and effective analysis of the fraction of inspired oxygen: a bench study. <i>Journal of Clinical Monitoring and Computing</i> , 2022, 36, 1723-1730.	1.6	5
46	Using a CO2 detector to confirm endotracheal intubation in SARS patients. <i>Canadian Journal of Anaesthesia</i> , 2005, 52, 446-447.	1.6	4
47	Enhanced recovery after surgery: Prediction for early extubation in video-assisted thoracic surgery using a response surface model in anesthesia. <i>Journal of the Formosan Medical Association</i> , 2019, 118, 1450-1457.	1.7	4
48	Opioid and propofol pharmacodynamics modeling during brain mapping in awake craniotomy. <i>Journal of the Chinese Medical Association</i> , 2019, 82, 390-395.	1.4	4
49	Occurrence of the Bezold-Jarisch reflex during Cesarean section under spinal anesthesia—a case report. <i>Acta Anaesthesiologica Taiwanica</i> , 2004, 42, 175-8.	1.0	4
50	Risk Factors of Vomiting Among Females on Patient-controlled Epidural Analgesia. <i>Journal of the Chinese Medical Association</i> , 2009, 72, 183-187.	1.4	3
51	Prophylactic Antibiotic Administration Induced Bronchospasm as Increased Airway Pressure During General Anesthesia. <i>Journal of the Chinese Medical Association</i> , 2010, 73, 72-77.	1.4	3
52	Investigation of an Intelligent System for Fiber Optic-Based Epidural Anesthesia. <i>BioMed Research International</i> , 2014, 2014, 1-7.	1.9	3
53	Application of an ultrasound-guided low-approach insertion technique in three types of totally implantable access port. <i>Journal of the Chinese Medical Association</i> , 2014, 77, 246-252.	1.4	3
54	Comparison of proficiency in an anesthesiology course across distinct medical student cohorts: Psychometric approaches to test equating. <i>Journal of the Chinese Medical Association</i> , 2014, 77, 150-154.	1.4	3

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55	Patient response prediction with logistic regression in gastrointestinal endoscopy under midazolam-alfentanil sedation performed as well as response surface model. <i>Journal of the Chinese Medical Association</i> , 2018, 81, 1071-1076.	1.4	3
56	Novel mandibular advancement bite block with supplemental oxygen to both nasal and oral cavity improves oxygenation during esophagogastroduodenoscopy: a bench comparison. <i>Journal of Clinical Monitoring and Computing</i> , 2019, 33, 523-530.	1.6	3
57	Hyperthermia-Induced Controlled Local Anesthesia Administration Using Gelatin-Coated Ironâ€“Gold Alloy Nanoparticles. <i>Pharmaceutics</i> , 2020, 12, 1097.	4.5	3
58	Unusual cause of esophageal perforation during intraoperative transesophageal echocardiography monitoring for cardiac surgery--a case report. <i>Ma Zui Xue Za Zhi = Anaesthesiologica Sinica</i> , 2003, 41, 155-8.	0.1	3
59	Desflurane used in a patient with congenital insensitivity to pain with anhidrosis during septic shock. <i>Journal of the Chinese Medical Association</i> , 2004, 67, 305-7.	1.4	3
60	Knotted continuous cardiac output thermodilution catheter diagnosed by intraoperative transoesophageal echocardiography. <i>British Journal of Anaesthesia</i> , 2003, 91, 451-452.	3.4	2
61	General Anesthesia in a Juvenile With Attention-deficit Hyperactivity Disorder Accompanied by Long-term Use of Methylphenidate (Concerta®). <i>Acta Anaesthesiologica Taiwanica</i> , 2009, 47, 208-211.	1.0	2
62	Intraoperative wake-up test in a deaf-mute adolescent undergoing scoliosis surgery. <i>Acta Anaesthesiologica Taiwanica</i> , 2010, 48, 185-187.	1.0	2
63	A Coaxial Dual-element Focused Ultrasound Probe for Guidance of Epidural Catheterization: An Experimental Study. <i>Ultrasonic Imaging</i> , 2017, 39, 283-294.	2.6	2
64	Optical Coherence Tomography Needle Probe in Neuraxial Block Application. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2021, 27, 1-6.	2.9	2
65	Strong Early Phase Parasympathetic Inhibition Followed by Sympathetic Withdrawal During Propofol Induction: Temporal Response Assessed by Wavelet-Based Spectral Analysis and Photoplethysmography. <i>Frontiers in Physiology</i> , 2021, 12, 705153.	2.8	2
66	Endotracheal Intubation in Patients With COVID-19 Infection: Expert Panel-Based Consensus Recommendations. <i>Asian Journal of Anesthesiology</i> , 2020, 58, 61-63.	0.6	2
67	Optimal shoulder roll height for internal jugular venous cannulation: a study of awake adult volunteers. <i>Journal of Clinical Anesthesia</i> , 2012, 24, 179-184.	1.6	1
68	Effectiveness of Different Pain Control Methods in Patients with Knee Osteoarthritis after Knee Arthroplasty. <i>BioMed Research International</i> , 2017, 2017, 1-9.	1.9	1
69	Optically Guided Epidural Needle Placement Using 405-nm Wavelength for Accurate Puncture. <i>Scientific Reports</i> , 2019, 9, 1552.	3.3	1
70	Nonâ€“intubated electromagneticâ€“guided localization and resection of small indeterminate peripheral pulmonary nodules. <i>Respirology</i> , 2020, 25, 1095-1096.	2.3	1
71	Mandibular advancement devices shorten desaturation duration in patients at high risk for obstructive sleep apnea syndrome during intravenous propofol sedation in the decubitus position. <i>Journal of the Chinese Medical Association</i> , 2021, 84, 221-226.	1.4	1
72	The epidural needle guidance with an intelligent and automatic identification system for epidural anesthesia. , 2018, , .		1

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73	Drug interaction is the cornerstone of modern anesthesia practice. <i>Minerva Anesthesiologica</i> , 2019, 85, 223-225.	1.0	1
74	Fiber-Needle Swept-Source Optical Coherence Tomography for the Real-Time Visualization of the Transversus Abdominis Plane Block Procedure in a Swine Model. <i>Anesthesia and Analgesia</i> , 2021, 133, 526-534.	2.2	1
75	Assessing pain outcome: is oblique subcostal transversus abdominis plane block better than other techniques?. <i>Minerva Anesthesiologica</i> , 2014, 80, 146-8.	1.0	1
76	Needle-Probe Optical Coherence Tomography for Real-Time Visualization of Veress Peritoneal Needle Placement in a Porcine Model: A New Safety Concept for Pneumoperitoneum Establishment in Laparoscopic Surgery. <i>Biomedicines</i> , 2022, 10, 485.	3.2	1
77	COVID-19 Pandemic: Taiwan Society of Anesthesiologists' Response to the Ethical Aspects of Health and Safety in Operating Room Management. <i>Asian Journal of Anesthesiology</i> , 2021, 59, 81-82.	0.6	1
78	Optical fiber guided needle insertion to localize epidural space in porcine. , 2010, , .		0
79	A 40 MHz high frequency ultrasound embedded epidural needle for assisting epidural access in pig study. , 2010, , .		0
80	Successful removal of a potentially lethal left atrial thrombus detected by transesophageal echocardiography following the removal of a left ventricular assist device inflow cannula. <i>Journal of the Chinese Medical Association</i> , 2012, 75, 543-546.	1.4	0
81	Obstructive jaundice—A problem extremely underestimated by anesthesiologists. <i>Acta Anaesthesiologica Taiwanica</i> , 2014, 52, 1.	1.0	0
82	Localization of Epidural Space in Piglets by Catheter-based Swept Source Optical Coherence Tomography. , 2014, , .		0
83	Double Assurance of Epidural Space Detection Using Fiberoptics-Based Needle Design and Autofluorescence Technologies for Epidural Blockade in Painless Labor. <i>Sensors</i> , 2018, 18, 3592.	3.8	0
84	Plasma concentration based response surface model predict better than effect-site concentration based model for wake-up time during gastrointestinal endoscopy sedation. <i>Journal of the Formosan Medical Association</i> , 2019, 118, 291-298.	1.7	0
85	Previously published drug interaction models predict loss of response for transoesophageal echocardiography sedation well but not response to oesophageal instrumentation. <i>Scientific Reports</i> , 2019, 9, 3806.	3.3	0
86	Patient-centered modeling of dynamic postoperative pain trajectories. <i>Journal of the Chinese Medical Association</i> , 2020, 83, 423-424.	1.4	0
87	Intercostal Nerve Block Using an Innovative Intra-needle Ultrasound Transducer: A Proof-of-Concept study. <i>Ultrasound in Medicine and Biology</i> , 2021, 47, 1881-1892.	1.5	0
88	Malignant hyperthermia with excellent response to small dose of dantrolene. <i>Acta Anaesthesiologica Taiwanica</i> , 2004, 42, 241-5.	1.0	0
89	Thermodynamic Interpretation of a Machine-Learning-Based Response Surface Model and Its Application to Pharmacodynamic Synergy between Propofol and Opioids. <i>Mathematics</i> , 2022, 10, 1651.	2.2	0
90	Needle used for epidural space detection in regional anesthesia guided by specific ultrasound probe and fiber optical technique. <i>WIT Transactions on the Built Environment</i> , 2014, , .	0.0	0

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91	Response surface model comparison and combinations for remifentanyl and propofol in describing response to esophageal instrumentation and adverse respiratory events. Journal of the Formosan Medical Association, 2022, , .	1.7	0