

# 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  
h-index

713466

21  
g-index

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docs citations

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times ranked

745  
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#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	How early warning with the Oxygen Reserve Index (ORI <sub>0.5</sub> ) 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
5	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
6	Response surface model comparison and combinations for remifentanyl and propofol in describing response to esophageal instrumentation and adverse respiratory events. <i>Journal of the Formosan Medical Association</i> , 2022, , .	1.7	0
7	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
8	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
9	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
10	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
11	Nonintubated versus intubated one-stage preoperative localization and thoracoscopic lung resection. <i>JTCVS Techniques</i> , 2021, 10, 517-525.	0.4	5
12	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
13	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
14	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
15	Hyperthermia-Induced Controlled Local Anesthesia Administration Using Gelatin-Coated Iron "Gold Alloy Nanoparticles. <i>Pharmaceutics</i> , 2020, 12, 1097.	4.5	3
16	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
17	Patient-centered modeling of dynamic postoperative pain trajectories. <i>Journal of the Chinese Medical Association</i> , 2020, 83, 423-424.	1.4	0
18	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

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19	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
20	Non-intubated electromagnetic-guided localization and resection of small indeterminate peripheral pulmonary nodules. <i>Respirology</i> , 2020, 25, 1095-1096.	2.3	1
21	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
22	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
23	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
24	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
25	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
26	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
27	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
28	Optically Guided Epidural Needle Placement Using 405-nm Wavelength for Accurate Puncture. <i>Scientific Reports</i> , 2019, 9, 1552.	3.3	1
29	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
30	Drug interaction is the cornerstone of modern anesthesia practice. <i>Minerva Anestesiologica</i> , 2019, 85, 223-225.	1.0	1
31	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
32	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
33	Tubeless single-port thoracoscopic sublobar resection: indication and safety. <i>Journal of Thoracic Disease</i> , 2018, 10, 3729-3737.	1.4	25
34	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
35	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
36	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

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37	The epidural needle guidance with an intelligent and automatic identification system for epidural anesthesia. , 2018, , .		1
38	A desflurane and fentanyl dosing regimen for wake-up testing during scoliosis surgery: Implications for the time-course of emergence from anesthesia. Journal of the Formosan Medical Association, 2017, 116, 606-612.	1.7	7
39	A previously published propofolâ€“remifentanyl response surface model does not predict patient response well in video-assisted thoracic surgery. Medicine (United States), 2017, 96, e6895.	1.0	5
40	A Coaxial Dual-element Focused Ultrasound Probe for Guidance of Epidural Catheterization: An Experimental Study. Ultrasonic Imaging, 2017, 39, 283-294.	2.6	2
41	Eyes on the needle: Identification and confirmation of the epidural space. Asian Journal of Anesthesiology, 2017, 55, 30-34.	0.6	9
42	Effectiveness of Different Pain Control Methods in Patients with Knee Osteoarthritis after Knee Arthroplasty. BioMed Research International, 2017, 2017, 1-9.	1.9	1
43	In vivo images of the epidural space with two- and three-dimensional optical coherence tomography in a porcine model. PLoS ONE, 2017, 12, e0172149.	2.5	10
44	Predicting postoperative vomiting among orthopedic patients receiving patient-controlled epidural analgesia using SVM and LR. Scientific Reports, 2016, 6, 27041.	3.3	15
45	A Response Surface Model Exploration of Dosing Strategies in Gastrointestinal Endoscopies Using Midazolam and Opioids. Medicine (United States), 2016, 95, e3520.	1.0	12
46	Previously published midazolamâ€“alfentanil response surface model cannot predict patient response well in gastrointestinal endoscopy sedation. Journal of the Chinese Medical Association, 2016, 79, 146-151.	1.4	5
47	Predicting the Best Fit. Anesthesia and Analgesia, 2016, 123, 299-308.	2.2	9
48	Accuracy of CO2 monitoring via nasal cannulas and oral bite blocks during sedation for esophagogastroduodenoscopy. Journal of Clinical Monitoring and Computing, 2016, 30, 169-173.	1.6	10
49	Fiber-needle Swept-source Optical Coherence Tomography System for the Identification of the Epidural Space in Piglets. Anesthesiology, 2015, 122, 585-594.	2.5	17
50	Response surface models in the field of anesthesia: A crash course. Acta Anaesthesiologica Taiwanica, 2015, 53, 139-145.	1.0	21
51	Portable Optical Epidural Needle-A CMOS-Based System Solution and Its Circuit Design. PLoS ONE, 2014, 9, e106055.	2.5	5
52	Predicting Postoperative Vomiting for Orthopedic Patients Receiving Patient-Controlled Epidural Analgesia with the Application of an Artificial Neural Network. BioMed Research International, 2014, 2014, 1-6.	1.9	5
53	Investigation of an Intelligent System for Fiber Optic-Based Epidural Anesthesia. BioMed Research International, 2014, 2014, 1-7.	1.9	3
54	Response Surface Model Predictions of Wake-Up Time During Scoliosis Surgery. Anesthesia and Analgesia, 2014, 118, 546-553.	2.2	18

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55	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
56	Obstructive jaundice—A problem extremely underestimated by anesthesiologists. <i>Acta Anaesthesiologica Taiwanica</i> , 2014, 52, 1.	1.0	0
57	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
58	Localization of Epidural Space in Piglets by Catheter-based Swept Source Optical Coherence Tomography. , 2014, , .		0
59	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
60	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
61	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
62	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
63	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
64	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
65	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
66	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
67	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
68	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
69	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
70	Eyes in the Needle. <i>Anesthesiology</i> , 2011, 114, 1320-1324.	2.5	36
71	Optical fiber guided needle insertion to localize epidural space in porcine. , 2010, , .		0
72	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

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73	A 40 MHz high frequency ultrasound embedded epidural needle for assisting epidural access in pig study. , 2010, , .		0
74	Intraoperative wake-up test in a deaf-mute adolescent undergoing scoliosis surgery. Acta Anaesthesiologica Taiwanica, 2010, 48, 185-187.	1.0	2
75	Technique of fiber optics used to localize epidural space in piglets. Optics Express, 2010, 18, 11138.	3.4	16
76	Prophylactic Antibiotic Administration Induced Bronchospasm as Increased Airway Pressure During General Anesthesia. Journal of the Chinese Medical Association, 2010, 73, 72-77.	1.4	3
77	Prevention of Dental Damage and Improvement of Difficult Intubation Using a Paraglossal Technique With a Straight Miller Blade. Journal of the Chinese Medical Association, 2010, 73, 553-556.	1.4	13
78	A New Technique to Assist Epidural Needle Placement. Anesthesiology, 2010, 112, 1128-1135.	2.5	48
79	General Anesthesia in a Juvenile With Attention-deficit Hyperactivity Disorder Accompanied by Long-term Use of Methylphenidate (Concerta®). Acta Anaesthesiologica Taiwanica, 2009, 47, 208-211.	1.0	2
80	Priming with Rocuronium to Accelerate the Onset Time of Cisatracurium During Intubation. Journal of the Chinese Medical Association, 2009, 72, 15-19.	1.4	6
81	Risk Factors of Vomiting Among Females on Patient-controlled Epidural Analgesia. Journal of the Chinese Medical Association, 2009, 72, 183-187.	1.4	3
82	Severe Carbon Dioxide Retention During Second Laparoscopic Surgery for Urgent Repair of an Operative Defect from the Preceding Laparoscopic Surgery. Acta Anaesthesiologica Taiwanica, 2008, 46, 124-128.	1.0	6
83	Paradoxical Carbon Dioxide Embolism During Pneumoperitoneum in Laparoscopic Surgery for a Huge Renal Angiomyolipoma. Journal of the Chinese Medical Association, 2008, 71, 214-217.	1.4	15
84	Clindamycin-induced Anaphylactic Shock During General Anesthesia. Journal of the Chinese Medical Association, 2006, 69, 549-551.	1.4	24
85	Using a CO2 detector to confirm endotracheal intubation in SARS patients. Canadian Journal of Anaesthesia, 2005, 52, 446-447.	1.6	4
86	Desflurane accelerates patient response during the wake-up test for scoliosis surgery. Canadian Journal of Anaesthesia, 2004, 51, 393-397.	1.6	12
87	Desflurane used in a patient with congenital insensitivity to pain with anhidrosis during septic shock. Journal of the Chinese Medical Association, 2004, 67, 305-7.	1.4	3
88	Occurrence of the Bezold-Jarisch reflex during Cesarean section under spinal anesthesia—a case report. Acta Anaesthesiologica Taiwanica, 2004, 42, 175-8.	1.0	4
89	Malignant hyperthermia with excellent response to small dose of dantrolene. Acta Anaesthesiologica Taiwanica, 2004, 42, 241-5.	1.0	0
90	Knotted continuous cardiac output thermodilution catheter diagnosed by intraoperative transoesophageal echocardiography. British Journal of Anaesthesia, 2003, 91, 451-452.	3.4	2

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91	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