

# Jui-Chang Tsai

## List of Publications by Year in descending order

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94  
papers

2,692  
citations

218677

26  
h-index

214800

47  
g-index

95  
all docs

95  
docs citations

95  
times ranked

3087  
citing authors

#	ARTICLE	IF	CITATIONS
1	Potentially conjugative plasmids harboring Tn6636, a multidrug-resistant and composite mobile element, in <i>Staphylococcus aureus</i> . <i>Journal of Microbiology, Immunology and Infection</i> , 2022, 55, 225-233.	3.1	5
2	Effects of dexmedetomidine on renal microcirculation in ischemia/reperfusion-induced acute kidney injury in rats. <i>Scientific Reports</i> , 2021, 11, 2026.	3.3	7
3	Comparing effects of intraoperative fluid and vasopressor infusion on intestinal microcirculation. <i>Scientific Reports</i> , 2020, 10, 19856.	3.3	3
4	Multiphase differential phase contrast imaging using asymmetric illumination in volume holographic microscopy. <i>Journal of Biomedical Optics</i> , 2020, 25, .	2.6	2
5	Effect of lordosis on adjacent levels after lumbar interbody fusion, before and after removal of the spinal fixator: a finite element analysis. <i>BMC Musculoskeletal Disorders</i> , 2019, 20, 470.	1.9	16
6	Decompressive Cranioplasty (Osteoplastic Hinged Craniectomy): A Novel Technique for Increased Intracranial Pressure—Initial Experience and Outcome. <i>World Neurosurgery</i> , 2019, 124, e431-e435.	1.3	9
7	Wide dissemination of SCC fusC in fusidic acid-resistant coagulase-negative staphylococci and implication for its spread to methicillin-resistant staphylococcus aureus in Taiwan. <i>International Journal of Antimicrobial Agents</i> , 2018, 51, 875-880.	2.5	2
8	Local hemostatic matrix for endoscope-assisted removal of intracerebral hemorrhage is safe and effective. <i>Journal of the Formosan Medical Association</i> , 2018, 117, 63-70.	1.7	13
9	Direct visualization of microcirculation impairment after acute subdural hemorrhage in a novel animal model. <i>Journal of Neurosurgery</i> , 2018, 129, 997-1007.	1.6	8
10	Impaired microcirculation after subarachnoid hemorrhage in an in vivo animal model. <i>Scientific Reports</i> , 2018, 8, 13315.	3.3	20
11	Prediction of Shunt Dependency After Intracerebral Hemorrhage and Intraventricular Hemorrhage. <i>Neurocritical Care</i> , 2018, 29, 233-240.	2.4	17
12	Emergency high-flow bypass for the management of ruptured postirradiated internal carotid artery pseudoaneurysms in nasopharyngeal carcinoma patients. <i>Interdisciplinary Neurosurgery: Advanced Techniques and Case Management</i> , 2018, 14, 126-129.	0.3	0
13	Effects of toluidine blue O (TBO)-photodynamic inactivation on community-associated methicillin-resistant <i>Staphylococcus aureus</i> isolates. <i>Journal of Microbiology, Immunology and Infection</i> , 2017, 50, 46-54.	3.1	23
14	Rapid identification of <i>Streptococcus intermedius</i> by multiplex polymerase chain reaction 1 week before culture positivity in a patient with antibiotic-treated thalamic brain abscess. <i>Journal of Microbiology, Immunology and Infection</i> , 2017, 50, 549-551.	3.1	5
15	Effects of endotoxin absorber hemoperfusion on microcirculation in septic pigs. <i>Journal of Surgical Research</i> , 2017, 211, 242-250.	1.6	11
16	In vivo volumetric fluorescence sectioning microscopy with mechanical-scan-free hybrid illumination imaging. <i>Biomedical Optics Express</i> , 2016, 7, 3968.	2.9	18
17	Posterior vertebral scalloping of the lumbar spine due to a large cauda equina paraganglioma. <i>Spine Journal</i> , 2016, 16, e327-e328.	1.3	4
18	Distribution of Staphylococcal Cassette Chromosome (SCC)mecElement Types in Fusidic Acid-Resistant <i>Staphylococcus epidermidis</i> and Identification of a Novel SCC7684Element. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 5006-5009.	3.2	5

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19	Novel Structure of Enterococcus faecium-Originated <i>ermB</i> -Positive Tn <i>1546</i> -Like Element in Staphylococcus aureus. Antimicrobial Agents and Chemotherapy, 2016, 60, 6108-6114.	3.2	15
20	Multiplexed methylation profiles of tumor suppressor genes and clinical outcome in oligodendroglial tumors. Cancer Medicine, 2016, 5, 1830-1839.	2.8	7
21	Emergence of a small colony variant of vancomycin-intermediate Staphylococcus aureus in a patient with septic arthritis during long-term treatment with daptomycin. Journal of Antimicrobial Chemotherapy, 2016, 71, 1807-1814.	3.0	34
22	Molecular Evolutionary Pathways toward Two Successful Community-Associated but Multidrug-Resistant ST59 Methicillin-Resistant Staphylococcus aureus Lineages in Taiwan: Dynamic Modes of Mobile Genetic Element Salvages. PLoS ONE, 2016, 11, e0162526.	2.5	19
23	Predicting Long-Term Outcome After Traumatic Brain Injury Using Repeated Measurements of Glasgow Coma Scale and Data Mining Methods. Journal of Medical Systems, 2015, 39, 14.	3.6	31
24	In-line digital holographic imaging in volume holographic microscopy. Optics Letters, 2015, 40, 5542.	3.3	9
25	Wigner analysis of three dimensional pupil with finite lateral aperture. Optics Express, 2015, 23, 4046.	3.4	5
26	The effect of ephrin-A1 on resistance to Photofrin-mediated photodynamic therapy in esophageal squamous cell carcinoma cells. Lasers in Medical Science, 2015, 30, 2353-2361.	2.1	11
27	Genotypes and phenotypes of Staphylococcus lugdunensis isolates recovered from bacteremia. Journal of Microbiology, Immunology and Infection, 2015, 48, 397-405.	3.1	17
28	A novel fusidic acid resistance determinant, fusF, in Staphylococcus cohnii. Journal of Antimicrobial Chemotherapy, 2015, 70, 416-419.	3.0	26
29	Skin Commensal Staphylococci May Act as Reservoir for Fusidic Acid Resistance Genes. PLoS ONE, 2015, 10, e0143106.	2.5	28
30	Clinical application of perfusion computed tomography in neurosurgery. Journal of Neurosurgery, 2014, 120, 473-488.	1.6	41
31	Talbot holographic illumination nonscanning (THIN) fluorescence microscopy. Laser and Photonics Reviews, 2014, 8, L71-L75.	8.7	19
32	A Novel Staphylococcal Cassette Chromosomal Element, SCC <i>fusC</i> , Carrying <i>fusC</i> and <i>speG</i> in Fusidic Acid-Resistant Methicillin-Resistant Staphylococcus aureus. Antimicrobial Agents and Chemotherapy, 2014, 58, 1224-1227.	3.2	24
33	Gemella parahaemolysans sp. nov. and Gemella taiwanensis sp. nov., isolated from human clinical specimens. International Journal of Systematic and Evolutionary Microbiology, 2014, 64, 2060-2065.	1.7	38
34	Depressed skull fracture and epidural hematoma resulted from pin-type head holder for craniotomy in children. Journal of Medical Sciences (Taiwan), 2014, 34, 238.	0.2	3
35	The effects of Photofrin-mediated photodynamic therapy on the modulation of EGFR in esophageal squamous cell carcinoma cells. Lasers in Medical Science, 2013, 28, 605-614.	2.1	20
36	Correlation between early sublingual small vessel density and late blood lactate level in critically ill surgical patients. Journal of Surgical Research, 2013, 180, 317-321.	1.6	22

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37	Phase-coded volume holographic gratings for spatially-spectral imaging filters. <i>Optics Letters</i> , 2013, 38, 477.	3.3	11
38	Single-Incision Laparoscopic Surgery (SILS) for Ventriculoperitoneal Shunt Placement. <i>Journal of Neurological Surgery, Part A: Central European Neurosurgery</i> , 2013, 74, 351-356.	0.8	11
39	New Structure of Phage-Related Islands Carrying <i>fusB</i> and a Virulence Gene in Fusidic Acid-Resistant <i>Staphylococcus epidermidis</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2013, 57, 5737-5739.	3.2	18
40	Robotic Skull Base Surgery via Supraorbital Keyhole Approach. <i>Neurosurgery</i> , 2013, 72, A33-A38.	1.1	31
41	Posterior Transthecal Approach for Repair of Cauda Equina Fibers and Ventral Dural Laceration in Lumbar Burst Fracture. <i>Spine</i> , 2013, 38, E1156-E1161.	2.0	5
42	Genetic and Epigenetic Alterations in Primary Progressive Paired Oligodendroglial Tumors. <i>PLoS ONE</i> , 2013, 8, e67139.	2.5	6
43	Dexmedetomidine Prevents Alterations of Intestinal Microcirculation That Are Induced by Surgical Stress and Pain in a Novel Rat Model. <i>Anesthesia and Analgesia</i> , 2012, 115, 46-53.	2.2	35
44	Minimally invasive surgery for acute noncomplicated epidural hematoma. <i>Journal of Trauma</i> , 2012, 73, 774-777.	2.3	9
45	Effects of Eritoran Tetrasodium, a Toll-Like Receptor 4 Antagonist, on Intestinal Microcirculation in Endotoxemic Rats. <i>Shock</i> , 2012, 37, 556-561.	2.1	13
46	Brain-Derived Neurotrophic Factor-Transfected and Nontransfected 3T3 Fibroblasts Enhance Migratory Neuroblasts and Functional Restoration in Mice With Intracerebral Hemorrhage. <i>Journal of Neuropathology and Experimental Neurology</i> , 2012, 71, 1123-1136.	1.7	9
47	Enoxaparin sodium prevents intestinal microcirculatory dysfunction in endotoxemic rats. <i>Critical Care</i> , 2012, 16, R59.	5.8	17
48	Genetic and transcriptional organization of the groEL operon containing <i>trxA</i> in <i>Gemella morbillorum</i> . <i>Gene</i> , 2012, 497, 307-313.	2.2	1
49	Early Parenchymal Contrast Extravasation Predicts Subsequent Hemorrhage Progression, Clinical Deterioration, and Need for Surgery in Patients With Traumatic Cerebral Contusion. <i>Journal of Trauma</i> , 2011, 71, 1593-1599.	2.3	22
50	Identification of <i>fusB</i> -Mediated Fusidic Acid Resistance Islands in <i>Staphylococcus epidermidis</i> Isolates. <i>Antimicrobial Agents and Chemotherapy</i> , 2011, 55, 5842-5849.	3.2	14
51	Early endoscope-assisted hematoma evacuation in patients with supratentorial intracerebral hemorrhage: case selection, surgical technique, and long-term results. <i>Neurosurgical Focus</i> , 2011, 30, E9.	2.3	92
52	Unraveling the Role of the <i>rssC</i> Gene of <i>Serratia marcescens</i> by Atomic Force Microscopy. <i>Microscopy and Microanalysis</i> , 2010, 16, 755-763.	0.4	1
53	Significance of the pH-induced conformational changes in the structure of C-reactive protein measured by dual polarization interferometry. <i>Biosensors and Bioelectronics</i> , 2010, 26, 822-827.	10.1	16
54	Distribution of <i>emm</i> Types and Genetic Characterization of the <i>mgc</i> Locus in Group G <i>Streptococcus dysgalactiae</i> subsp. <i>equisimilis</i> from a Hospital in Northern Taiwan. <i>Journal of Clinical Microbiology</i> , 2010, 48, 2975-2977.	3.9	14

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55	Fusidic Acid Resistance Determinants in <i>Staphylococcus aureus</i> Clinical Isolates. <i>Antimicrobial Agents and Chemotherapy</i> , 2010, 54, 4985-4991.	3.2	80
56	Use of <i>groESL</i> as a Target for Identification of <i>Abiotrophia</i> , <i>Granulicatella</i> , and <i>Gemella</i> Species. <i>Journal of Clinical Microbiology</i> , 2010, 48, 3532-3538.	3.9	30
57	Dissemination of transposon Tn6001 in carbapenem-non-susceptible and extensively drug-resistant <i>Pseudomonas aeruginosa</i> in Taiwan. <i>Journal of Antimicrobial Chemotherapy</i> , 2009, 64, 1170-1174.	3.0	18
58	Correlation among pathology, genetic and epigenetic profiles, and clinical outcome in oligodendroglial tumors. <i>International Journal of Cancer</i> , 2009, 124, 2872-2879.	5.1	32
59	Induced interleukin-8 expression in gliomas by tumor-associated macrophages. <i>Journal of Neuro-Oncology</i> , 2009, 93, 289-301.	2.9	38
60	PCR-RFLP assay for species and subspecies differentiation of the <i>Streptococcus bovis</i> group based on <i>groESL</i> sequences. <i>Journal of Medical Microbiology</i> , 2008, 57, 432-438.	1.8	20
61	DIRECT DETECTION OF BACTERIAL PATHOGENS IN BRAIN ABSCESSSES BY POLYMERASE CHAIN REACTION AMPLIFICATION AND SEQUENCING OF PARTIAL 16S RIBOSOMAL DEOXYRIBONUCLEIC ACID FRAGMENTS. <i>Neurosurgery</i> , 2008, 62, 547-55.	1.1	3
62	Tn 6001, a Transposon-Like Element Containing the <i>bla</i> <sub>VIM-3</sub> -Harboring Integron In450. <i>Antimicrobial Agents and Chemotherapy</i> , 2007, 51, 4187-4190.	3.2	16
63	Identification of <i>tet(S)</i> gene area in tetracycline-resistant <i>Streptococcus dysgalactiae</i> subsp. <i>equisimilis</i> clinical isolates. <i>Journal of Antimicrobial Chemotherapy</i> , 2007, 61, 453-455.	3.0	17
64	Clonal spread of SCCmec type IV methicillin-resistant <i>Staphylococcus aureus</i> between community and hospital. <i>Clinical Microbiology and Infection</i> , 2007, 13, 717-724.	6.0	82
65	Neuropsychiatric Disturbances and Hypopituitarism After Traumatic Brain Injury in an Elderly Man. <i>Journal of the Formosan Medical Association</i> , 2006, 105, 172-176.	1.7	12
66	Laser Doppler scanning study of palmar skin perfusion for patients with hyperhidrosis before and after thoracic sympathectomy. <i>World Neurosurgery</i> , 2006, 66, S48-S51.	1.3	7
67	Homopolyvalent antibody-antigen interaction kinetic studies with use of a dual-polarization interferometric biosensor. <i>Biosensors and Bioelectronics</i> , 2006, 22, 715-721.	10.1	41
68	Rapid Differentiation between Members of the Anginosus Group and <i>Streptococcus dysgalactiae</i> subsp. <i>equisimilis</i> within Beta-Hemolytic Group C and G Streptococci by PCR. <i>Journal of Clinical Microbiology</i> , 2006, 44, 1836-1838.	3.9	12
69	Reorganization of cytoskeleton induced by 5-aminolevulinic acid-mediated photodynamic therapy and its correlation with mitochondrial dysfunction. <i>Lasers in Surgery and Medicine</i> , 2005, 36, 398-408.	2.1	46
70	The <i>erm (T)</i> Gene Is Flanked by IS 1216V in Inducible Erythromycin-Resistant <i>Streptococcus gallolyticus</i> subsp. <i>pasteurianus</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2005, 49, 4347-4350.	3.2	36
71	Disseminated <i>Nocardia farcinica</i> infection in a uraemia patient with idiopathic thrombocytopenia purpura receiving steroid therapy. <i>Journal of Medical Microbiology</i> , 2005, 54, 1107-1110.	1.8	28
72	Species identification of mutans streptococci by <i>groESL</i> gene sequence. <i>Journal of Medical Microbiology</i> , 2005, 54, 857-862.	1.8	21

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73	Identification of Clinically Relevant Enterococcus Species by Direct Sequencing of groES and Spacer Region. <i>Journal of Clinical Microbiology</i> , 2005, 43, 235-241.	3.9	24
74	Brain abscess: clinical experience and analysis of prognostic factors. <i>World Neurosurgery</i> , 2005, 63, 442-449.	1.3	134
75	Mycotic Aneurysm Caused by <i>Streptococcus constellatus</i> subsp. <i>constellatus</i> . <i>Journal of Clinical Microbiology</i> , 2004, 42, 1826-1828.	3.9	10
76	Identification of <i>Bacteroides thetaiotaomicron</i> on the Basis of an Unexpected Specific Amplicon of Universal 16S Ribosomal DNA PCR. <i>Journal of Clinical Microbiology</i> , 2004, 42, 1727-1730.	3.9	26
77	Effect of 5-aminolevulinic acid-mediated photodynamic therapy on MCF-7 and MCF-7/ADR cells. <i>Lasers in Surgery and Medicine</i> , 2004, 34, 62-72.	2.1	62
78	Photodynamic Therapy of oral dysplasia with topical 5-aminolevulinic acid and light-emitting diode array. <i>Lasers in Surgery and Medicine</i> , 2004, 34, 18-24.	2.1	72
79	Direct Detection of Bacterial Pathogens in Brain Abscesses by Polymerase Chain Reaction Amplification and Sequencing of Partial 16S Ribosomal Deoxyribonucleic Acid Fragments. <i>Neurosurgery</i> , 2004, 55, 1154-1162.	1.1	60
80	In vivo autofluorescence spectroscopy of oral premalignant and malignant lesions: Distortion of fluorescence intensity by submucous fibrosis. <i>Lasers in Surgery and Medicine</i> , 2003, 33, 40-47.	2.1	25
81	Protein kinase C mediates induced secretion of vascular endothelial growth factor by human glioma cells. <i>Biochemical and Biophysical Research Communications</i> , 2003, 309, 952-960.	2.1	15
82	High Incidence of Cefoxitin and Clindamycin Resistance among Anaerobes in Taiwan. <i>Antimicrobial Agents and Chemotherapy</i> , 2002, 46, 2908-2913.	3.2	75
83	groESL Sequence Determination, Phylogenetic Analysis, and Species Differentiation for Viridans Group Streptococci. <i>Journal of Clinical Microbiology</i> , 2002, 40, 3172-3178.	3.9	69
84	Characterization of a Polyclonal Antihapten Antibody by Affinity Capillary Electrophoresis. <i>Analytical Biochemistry</i> , 2000, 284, 422-426.	2.4	9
85	PCR Assay for Species-Specific Identification of <i>Bacteroides thetaiotaomicron</i> . <i>Journal of Clinical Microbiology</i> , 2000, 38, 1672-1675.	3.9	10
86	Comparative study on the ALA photodynamic effects of human glioma and meningioma cells. , 1999, 24, 296-305.		43
87	Autofluorescence in normal and malignant human oral tissues and in DMBA-induced hamster buccal pouch carcinogenesis. <i>Journal of Oral Pathology and Medicine</i> , 1998, 27, 470-474.	2.7	26
88	Brain Edema in Meningiomas Is Associated with Increased Vascular Endothelial Growth Factor Expression. <i>Neurosurgery</i> , 1997, 40, 1269-1277.	1.1	156
89	Loss of Vascular Endothelial Growth Factor in Human Alopecia Hair Follicles. <i>Journal of Investigative Dermatology</i> , 1995, 104, 18-20.	0.7	48
90	Vascular endothelial growth factor in human glioma cell lines: induced secretion by EGF, PDGF-BB, and bFGF. <i>Journal of Neurosurgery</i> , 1995, 82, 864-873.	1.6	239

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91	Autonomic Activities in Hyperhidrosis Patients before, during, and after Endoscopic Laser Sympathectomy. <i>Neurosurgery</i> , 1994, 34, 262-268.	1.1	106
92	Palmar hyperhidrosis in children: Treatment with video endoscopic laser sympathectomy. <i>Journal of Pediatric Surgery</i> , 1994, 29, 387-391.	1.6	65
93	Fluorospectral study of the rat brain and glioma in vivo. <i>Lasers in Surgery and Medicine</i> , 1993, 13, 321-331.	2.1	9
94	The Biological Effects of Low Power Laser Irradiation on Cultivated Rat Glial and Glioma Cells. <i>Photomedicine and Laser Surgery</i> , 1991, 9, 35-41.	0.9	8