

# 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	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
2	Brain Edema in Meningiomas Is Associated with Increased Vascular Endothelial Growth Factor Expression. <i>Neurosurgery</i> , 1997, 40, 1269-1277.	1.1	156
3	Brain abscess: clinical experience and analysis of prognostic factors. <i>World Neurosurgery</i> , 2005, 63, 442-449.	1.3	134
4	Autonomic Activities in Hyperhidrosis Patients before, during, and after Endoscopic Laser Sympathectomy. <i>Neurosurgery</i> , 1994, 34, 262-268.	1.1	106
5	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
6	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
7	Fusidic Acid Resistance Determinants in <i>Staphylococcus aureus</i> Clinical Isolates. <i>Antimicrobial Agents and Chemotherapy</i> , 2010, 54, 4985-4991.	3.2	80
8	High Incidence of Cefoxitin and Clindamycin Resistance among Anaerobes in Taiwan. <i>Antimicrobial Agents and Chemotherapy</i> , 2002, 46, 2908-2913.	3.2	75
9	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
10	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
11	Palmar hyperhidrosis in children: Treatment with video endoscopic laser sympathectomy. <i>Journal of Pediatric Surgery</i> , 1994, 29, 387-391.	1.6	65
12	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
13	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
14	Loss of Vascular Endothelial Growth Factor in Human Alopecia Hair Follicles. <i>Journal of Investigative Dermatology</i> , 1995, 104, 18-20.	0.7	48
15	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
16	Comparative study on the ALA photodynamic effects of human glioma and meningioma cells. , 1999, 24, 296-305.		43
17	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
18	Clinical application of perfusion computed tomography in neurosurgery. <i>Journal of Neurosurgery</i> , 2014, 120, 473-488.	1.6	41

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19	Induced interleukin-8 expression in gliomas by tumor-associated macrophages. <i>Journal of Neuro-Oncology</i> , 2009, 93, 289-301.	2.9	38
20	<i>Gemella parahaemolysans</i> sp. nov. and <i>Gemella taiwanensis</i> sp. nov., isolated from human clinical specimens. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2014, 64, 2060-2065.	1.7	38
21	The erm (T) 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
22	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
23	Emergence of a small colony variant of vancomycin-intermediate <i>Staphylococcus aureus</i> in a patient with septic arthritis during long-term treatment with daptomycin. <i>Journal of Antimicrobial Chemotherapy</i> , 2016, 71, 1807-1814.	3.0	34
24	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
25	Robotic Skull Base Surgery via Supraorbital Keyhole Approach. <i>Neurosurgery</i> , 2013, 72, A33-A38.	1.1	31
26	Predicting Long-Term Outcome After Traumatic Brain Injury Using Repeated Measurements of Glasgow Coma Scale and Data Mining Methods. <i>Journal of Medical Systems</i> , 2015, 39, 14.	3.6	31
27	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
28	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
29	Skin Commensal <i>Staphylococci</i> May Act as Reservoir for Fusidic Acid Resistance Genes. <i>PLoS ONE</i> , 2015, 10, e0143106.	2.5	28
30	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
31	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
32	A novel fusidic acid resistance determinant, <i>fusF</i> , in <i>Staphylococcus cohnii</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 2015, 70, 416-419.	3.0	26
33	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
34	Identification of Clinically Relevant <i>Enterococcus</i> Species by Direct Sequencing of <i>groES</i> and Spacer Region. <i>Journal of Clinical Microbiology</i> , 2005, 43, 235-241.	3.9	24
35	A Novel <i>Staphylococcal</i> Cassette Chromosomal Element, SCC <i>fusC</i> , Carrying <i>fusC</i> and <i>speG</i> in Fusidic Acid-Resistant Methicillin-Resistant <i>Staphylococcus aureus</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 1224-1227.	3.2	24
36	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

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37	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
38	Correlation between early sublingual small vessel density and late blood lactate level in critically ill surgical patients. <i>Journal of Surgical Research</i> , 2013, 180, 317-321.	1.6	22
39	Species identification of mutans streptococci by groESL gene sequence. <i>Journal of Medical Microbiology</i> , 2005, 54, 857-862.	1.8	21
40	PCR-RFLP assay for species and subspecies differentiation of the <i>Streptococcus bovis</i> group based on groESL sequences. <i>Journal of Medical Microbiology</i> , 2008, 57, 432-438.	1.8	20
41	The effects of Photofrin-mediated photodynamic therapy on the modulation of EGFR in esophageal squamous cell carcinoma cells. <i>Lasers in Medical Science</i> , 2013, 28, 605-614.	2.1	20
42	Impaired microcirculation after subarachnoid hemorrhage in an in vivo animal model. <i>Scientific Reports</i> , 2018, 8, 13315.	3.3	20
43	Talbot holographic illumination non-scanning (THIN) fluorescence microscopy. <i>Laser and Photonics Reviews</i> , 2014, 8, L71-L75.	8.7	19
44	Molecular Evolutionary Pathways toward Two Successful Community-Associated but Multidrug-Resistant ST59 Methicillin-Resistant <i>Staphylococcus aureus</i> Lineages in Taiwan: Dynamic Modes of Mobile Genetic Element Salvages. <i>PLoS ONE</i> , 2016, 11, e0162526.	2.5	19
45	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
46	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
47	In vivo volumetric fluorescence sectioning microscopy with mechanical-scan-free hybrid illumination imaging. <i>Biomedical Optics Express</i> , 2016, 7, 3968.	2.9	18
48	Identification of tet(S) 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
49	Enoxaparin sodium prevents intestinal microcirculatory dysfunction in endotoxemic rats. <i>Critical Care</i> , 2012, 16, R59.	5.8	17
50	Genotypes and phenotypes of <i>Staphylococcus lugdunensis</i> isolates recovered from bacteremia. <i>Journal of Microbiology, Immunology and Infection</i> , 2015, 48, 397-405.	3.1	17
51	Prediction of Shunt Dependency After Intracerebral Hemorrhage and Intraventricular Hemorrhage. <i>Neurocritical Care</i> , 2018, 29, 233-240.	2.4	17
52	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
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	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

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55	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
56	Novel Structure of Enterococcus faecium-Originated <i>ermB</i> -Positive Tn 1546-Like Element in Staphylococcus aureus. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 6108-6114.	3.2	15
57	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
58	Identification of <i>fusB</i> -Mediated Fusidic Acid Resistance Islands in Staphylococcus epidermidis Isolates. <i>Antimicrobial Agents and Chemotherapy</i> , 2011, 55, 5842-5849.	3.2	14
59	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
60	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
61	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
62	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
63	Phase-coded volume holographic gratings for spatially-spectral imaging filters. <i>Optics Letters</i> , 2013, 38, 477.	3.3	11
64	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
65	The effect of ephrin-A1 on resistance to Photofrin-mediated photodynamic therapy in esophageal squamous cell carcinoma cells. <i>Lasers in Medical Science</i> , 2015, 30, 2353-2361.	2.1	11
66	Effects of endotoxin absorber hemoperfusion on microcirculation in septic pigs. <i>Journal of Surgical Research</i> , 2017, 211, 242-250.	1.6	11
67	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
68	PCR Assay for Species-Specific Identification of <i>Bacteroides thetaiotaomicron</i> . <i>Journal of Clinical Microbiology</i> , 2000, 38, 1672-1675.	3.9	10
69	Fluorespectral study of the rat brain and glioma in vivo. <i>Lasers in Surgery and Medicine</i> , 1993, 13, 321-331.	2.1	9
70	Characterization of a Polyclonal Antihapten Antibody by Affinity Capillary Electrophoresis. <i>Analytical Biochemistry</i> , 2000, 284, 422-426.	2.4	9
71	Minimally invasive surgery for acute noncomplicated epidural hematoma. <i>Journal of Trauma</i> , 2012, 73, 774-777.	2.3	9
72	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

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73	In-line digital holographic imaging in volume holographic microscopy. <i>Optics Letters</i> , 2015, 40, 5542.	3.3	9
74	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
75	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
76	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
77	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
78	Multiplexed methylation profiles of tumor suppressor genes and clinical outcome in oligodendroglial tumors. <i>Cancer Medicine</i> , 2016, 5, 1830-1839.	2.8	7
79	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
80	Genetic and Epigenetic Alterations in Primary—Progressive Paired Oligodendroglial Tumors. <i>PLoS ONE</i> , 2013, 8, e67139.	2.5	6
81	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
82	Wigner analysis of three dimensional pupil with finite lateral aperture. <i>Optics Express</i> , 2015, 23, 4046.	3.4	5
83	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
84	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
85	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
86	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
87	DIRECT DETECTION OF BACTERIAL PATHOGENS IN BRAIN ABSCESES BY POLYMERASE CHAIN REACTION AMPLIFICATION AND SEQUENCING OF PARTIAL 16S RIBOSOMAL DEOXYRIBONUCLEIC ACID FRAGMENTS. <i>Neurosurgery</i> , 2008, 62, 547-55.	1.1	3
88	Comparing effects of intraoperative fluid and vasopressor infusion on intestinal microcirculation. <i>Scientific Reports</i> , 2020, 10, 19856.	3.3	3
89	Depressed skull fracture and epidural hematoma resulted from pin-type head holder for craniotomy in children. <i>Journal of Medical Sciences (Taiwan)</i> , 2014, 34, 238.	0.2	3
90	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

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91	Multiplane differential phase contrast imaging using asymmetric illumination in volume holographic microscopy. <i>Journal of Biomedical Optics</i> , 2020, 25, .	2.6	2
92	Unraveling the Role of the rssC Gene of <i>Serratia marcescens</i> by Atomic Force Microscopy. <i>Microscopy and Microanalysis</i> , 2010, 16, 755-763.	0.4	1
93	Genetic and transcriptional organization of the groEL operon containing trxA in <i>Gemella morbillorum</i> . <i>Gene</i> , 2012, 497, 307-313.	2.2	1
94	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