

# Pin-Yuan Chen

## List of Publications by Year in descending order

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77  
papers

2,877  
citations

257101

24  
h-index

182168

51  
g-index

83  
all docs

83  
docs citations

83  
times ranked

4476  
citing authors

#	ARTICLE	IF	CITATIONS
1	Diagnostic accuracy of the Berlin questionnaire, STOP-BANG, STOP, and Epworth sleepiness scale in detecting obstructive sleep apnea: A bivariate meta-analysis. <i>Sleep Medicine Reviews</i> , 2017, 36, 57-70.	3.8	418
2	Magnetic resonance monitoring of focused ultrasound/magnetic nanoparticle targeting delivery of therapeutic agents to the brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 15205-15210.	3.3	351
3	Focused Ultrasound-Induced Blood-Brain Barrier Opening to Enhance Temozolomide Delivery for Glioblastoma Treatment: A Preclinical Study. <i>PLoS ONE</i> , 2013, 8, e58995.	1.1	171
4	Gadolinium-functionalized nanographene oxide for combined drug and microRNA delivery and magnetic resonance imaging. <i>Biomaterials</i> , 2014, 35, 6534-6542.	5.7	152
5	Focused Ultrasound Enhances Central Nervous System Delivery of Bevacizumab for Malignant Glioma Treatment. <i>Radiology</i> , 2016, 281, 99-108.	3.6	114
6	Reminiscence Therapy Improves Cognitive Functions and Reduces Depressive Symptoms in Elderly People With Dementia: A Meta-Analysis of Randomized Controlled Trials. <i>Journal of the American Medical Directors Association</i> , 2015, 16, 1087-1094.	1.2	102
7	Focused ultrasound-induced blood-brain barrier opening to enhance interleukin-12 delivery for brain tumor immunotherapy: a preclinical feasibility study. <i>Journal of Translational Medicine</i> , 2015, 13, 93.	1.8	95
8	Associations between sleep duration and suicidality in adolescents: A systematic review and dose-response meta-analysis. <i>Sleep Medicine Reviews</i> , 2018, 42, 119-126.	3.8	90
9	CCL5 of glioma-associated microglia/macrophages regulates glioma migration and invasion via calcium-dependent matrix metalloproteinase 2. <i>Neuro-Oncology</i> , 2020, 22, 253-266.	0.6	90
10	Pharmacodynamic and Therapeutic Investigation of Focused Ultrasound-Induced Blood-Brain Barrier Opening for Enhanced Temozolomide Delivery in Glioma Treatment. <i>PLoS ONE</i> , 2014, 9, e114311.	1.1	77
11	Neuronavigation-guided focused ultrasound for transcranial blood-brain barrier opening and immunostimulation in brain tumors. <i>Science Advances</i> , 2021, 7, .	4.7	70
12	Increased activation of HDAC1/2/6 and Sp1 underlies therapeutic resistance and tumor growth in glioblastoma. <i>Neuro-Oncology</i> , 2020, 22, 1439-1451.	0.6	63
13	Diagnostic accuracy of the CAM-ICU and ICDSC in detecting intensive care unit delirium: A bivariate meta-analysis. <i>International Journal of Nursing Studies</i> , 2021, 113, 103782.	2.5	56
14	Neuronavigation-guided focused ultrasound (NaviFUS) for transcranial blood-brain barrier opening in recurrent glioblastoma patients: clinical trial protocol. <i>Annals of Translational Medicine</i> , 2020, 8, 673-673.	0.7	51
15	Diagnostic accuracy of the Clinical Dementia Rating Scale for detecting mild cognitive impairment and dementia: A bivariate meta-analysis. <i>International Journal of Geriatric Psychiatry</i> , 2021, 36, 239-251.	1.3	49
16	MicroRNA-495 inhibits proliferation of glioblastoma multiforme cells by downregulating cyclin-dependent kinase 6. <i>World Journal of Surgical Oncology</i> , 2013, 11, 87.	0.8	48
17	Effects of Intravenous and Oral Magnesium on Reducing Migraine: A Meta-analysis of Randomized Controlled Trials. <i>Pain Physician</i> , 2016, 19, E97-112.	0.3	46
18	Convection-Enhanced Delivery of a Virus-Like Nanotherapeutic Agent with Dual-Modal Imaging for Besiegement and Eradication of Brain Tumors. <i>Theranostics</i> , 2019, 9, 1752-1763.	4.6	43

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19	Skull base atypical meningioma: Long term surgical outcome and prognostic factors. <i>Clinical Neurology and Neurosurgery</i> , 2015, 128, 112-116.	0.6	41
20	Roles of Neutrophils in Glioma and Brain Metastases. <i>Frontiers in Immunology</i> , 2021, 12, 701383.	2.2	41
21	Long Term Surgical Outcome and Prognostic Factors of Atypical and Malignant Meningiomas. <i>Scientific Reports</i> , 2016, 6, 35743.	1.6	40
22	Self-Assembly DNA Polyplex Vaccine inside Dissolving Microneedles for High-Potency Intradermal Vaccination. <i>Theranostics</i> , 2017, 7, 2593-2605.	4.6	39
23	Diagnostic meta-analysis of the Pediatric Sleep Questionnaire, OSA-18, and pulse oximetry in detecting pediatric obstructive sleep apnea syndrome. <i>Sleep Medicine Reviews</i> , 2020, 54, 101355.	3.8	32
24	Suppression of tumor growth via IGFBP3 depletion as a potential treatment in glioma. <i>Journal of Neurosurgery</i> , 2020, 132, 168-179.	0.9	32
25	Awake craniotomies for epileptic gliomas: intraoperative and postoperative seizure control and prognostic factors. <i>Journal of Neuro-Oncology</i> , 2019, 142, 577-586.	1.4	30
26	Effects of Intravenous and Oral Magnesium on Reducing Migraine: A Meta-analysis of Randomized Controlled Trials. <i>Pain Physician</i> , 2016, 1;19, E97-E112.	0.3	27
27	Enrichment of superoxide dismutase 2 in glioblastoma confers to acquisition of temozolomide resistance that is associated with tumor-initiating cell subsets. <i>Journal of Biomedical Science</i> , 2019, 26, 77.	2.6	26
28	Functional Change of Effector Tumor-Infiltrating CCR5+CD38+HLA-DR+CD8+ T Cells in Glioma Microenvironment. <i>Frontiers in Immunology</i> , 2019, 10, 2395.	2.2	26
29	Controlled release of liposome-encapsulated temozolomide for brain tumour treatment by convection-enhanced delivery. <i>Journal of Drug Targeting</i> , 2018, 26, 325-332.	2.1	25
30	A Feasibility Randomized Controlled Crossover Trial of Home-Based Warm Footbath to Improve Sleep in the Chronic Phase of Traumatic Brain Injury. <i>Journal of Neuroscience Nursing</i> , 2017, 49, 380-385.	0.7	24
31	Reality orientation therapy benefits cognition in older people with dementia: A meta-analysis. <i>International Journal of Nursing Studies</i> , 2018, 86, 20-28.	2.5	22
32	Reprogramming of arachidonate metabolism confers temozolomide resistance to glioblastoma through enhancing mitochondrial activity in fatty acid oxidation. <i>Journal of Biomedical Science</i> , 2022, 29, 21.	2.6	22
33	Rapid <i>In Situ</i> MRI Traceable Gel-forming Dual-drug Delivery for Synergistic Therapy of Brain Tumor. <i>Theranostics</i> , 2017, 7, 2524-2536.	4.6	21
34	Neural immune modulation and immunotherapy assisted by focused ultrasound induced blood-brain barrier opening. <i>Human Vaccines and Immunotherapeutics</i> , 2015, 11, 2682-2687.	1.4	19
35	Seizures in surgically resected atypical and malignant meningiomas: Long-term outcome analysis. <i>Epilepsy Research</i> , 2018, 140, 82-89.	0.8	18
36	Corpus callosum involvement and postoperative outcomes of patients with gliomas. <i>Journal of Neuro-Oncology</i> , 2015, 124, 207-214.	1.4	17

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37	Intraoperative linguistic performance during awake brain surgery predicts postoperative linguistic deficits. <i>Journal of Neuro-Oncology</i> , 2018, 139, 215-223.	1.4	15
38	Anterior Skull Base Tumor Resection by Transciliary Supraorbital Keyhole Craniotomy: A Single Institutional Experience. <i>World Neurosurgery</i> , 2018, 111, e863-e870.	0.7	15
39	Comparative efficacy and safety of hypnotics for insomnia in older adults: a systematic review and network meta-analysis. <i>Sleep</i> , 2021, 44, .	0.6	15
40	Effects of daily sedation interruption in intensive care unit patients undergoing mechanical ventilation: A meta-analysis of randomized controlled trials. <i>International Journal of Nursing Practice</i> , 2022, 28, e12948.	0.8	15
41	Drug-carrying microbubbles as a theranostic tool in convection-enhanced delivery for brain tumor therapy. <i>Oncotarget</i> , 2017, 8, 42359-42371.	0.8	15
42	Trajectories of Sleep and Its Predictors in the First Year Following Traumatic Brain Injury. <i>Journal of Head Trauma Rehabilitation</i> , 2015, 30, E50-E55.	1.0	14
43	Trends in the incidence of primary malignant brain tumors in Taiwan and correlation with comorbidities: A population-based study. <i>Clinical Neurology and Neurosurgery</i> , 2017, 159, 72-82.	0.6	14
44	HDAC6 involves in regulating the lncRNA-microRNA-mRNA network to promote the proliferation of glioblastoma cells. <i>Journal of Experimental and Clinical Cancer Research</i> , 2022, 41, 47.	3.5	14
45	The Merits of Awake Craniotomy for Glioblastoma in the Left Hemispheric Eloquent Area: One Institution Experience. <i>Clinical Neurology and Neurosurgery</i> , 2021, 200, 106343.	0.6	13
46	A Programmable High-Voltage Compliance Neural Stimulator for Deep Brain Stimulation in Vivo. <i>Sensors</i> , 2015, 15, 12700-12719.	2.1	12
47	Transglutaminase 2 Expression Is Increased as a Function of Malignancy Grade and Negatively Regulates Cell Growth in Meningioma. <i>PLoS ONE</i> , 2014, 9, e108228.	1.1	12
48	Valproic Acid Enhanced Temozolomide-Induced Anticancer Activity in Human Glioma Through the p53-PUMA Apoptosis Pathway. <i>Frontiers in Oncology</i> , 2021, 11, 722754.	1.3	11
49	Daytime sleepiness is independently associated with falls in older adults with dementia. <i>Geriatrics and Gerontology International</i> , 2016, 16, 850-855.	0.7	10
50	Primary Central Nervous System Lymphomas of the Brain: A Retrospective Analysis in a Single Institution. <i>World Neurosurgery</i> , 2017, 103, 550-556.	0.7	10
51	Biomimetic brain tumor niche regulates glioblastoma cells towards a cancer stem cell phenotype. <i>Journal of Neuro-Oncology</i> , 2018, 137, 511-522.	1.4	10
52	Endodermal cyst presenting as a prenatally diagnosed large intracranial cyst. <i>Journal of Neurosurgery: Pediatrics</i> , 2007, 106, 506-508.	0.8	9
53	Sleep Mediates the Relationship Between Depression and Cognitive Impairment in Older Men. <i>American Journal of Men's Health</i> , 2019, 13, 155798831982576.	0.7	9
54	The Association Between Use of Dietary Supplements and Headache or Migraine Complaints. <i>Headache</i> , 2014, 54, 355-363.	1.8	8

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55	Induction Therapy of Retinoic Acid with a Temozolomide-Loaded Gold Nanoparticle-Associated Ultrasound Effect on Glioblastoma Cancer Stem-Like Colonies. ACS Applied Materials & Interfaces, 2021, 13, 32845-32855.	4.0	8
56	Brown-Sequard syndrome caused by ossification of the ligamentum flavum. Journal of Clinical Neuroscience, 2007, 14, 887-890.	0.8	7
57	Endoscopic transsphenoidal surgery for resection of pituitary macroadenoma: A retrospective study. PLoS ONE, 2021, 16, e0255599.	1.1	7
58	Comparative efficacy of prophylactic anticonvulsant drugs following traumatic brain injury: A systematic review and network meta-analysis of randomized controlled trials. PLoS ONE, 2022, 17, e0265932.	1.1	7
59	A Compressed Sensing Estimation Technique for Doubly Selective Channel in OFDM Systems. IEEE Access, 2019, 7, 115192-115199.	2.6	6
60	MRS as an Aid to Diagnose Malignant Transformation in Low-Grade Gliomas with Increasing Contrast Enhancement. American Journal of Neuroradiology, 2020, 41, 1592-1598.	1.2	6
61	The Outcome Predictors of Malignant Large Infarction and the Functional Outcome of Survivors Following Decompressive Craniectomy. World Neurosurgery, 2016, 93, 133-138.	0.7	5
62	Trajectory of health-related quality of life and its determinants in patients who underwent lumbar spine surgery: a 1-year longitudinal study. Quality of Life Research, 2018, 27, 2251-2259.	1.5	5
63	Factors affecting lumbar surgery outcome: A nation-wide, population-based retrospective study. Journal of Affective Disorders, 2017, 222, 98-102.	2.0	4
64	Prevalence of sleep disturbances and their effects on quality of life in adults with untreated pituitary tumor and meningioma. Journal of Neuro-Oncology, 2021, 154, 179-186.	1.4	4
65	Immediate and lasting effects of aerobic exercise on the actigraphic sleep parameters of female nurses: A randomized controlled trial. Research in Nursing and Health, 2021, 44, 449-457.	0.8	3
66	Mental fatigue mediates the relationship between cognitive functions and return to productive activity following traumatic brain injury: a mediation analysis. Brain Injury, 2022, , 1-7.	0.6	2
67	A compressed sensing technique for OFDM channel estimation using full-band training symbols. , 2017, , .		1
68	A Novel Surgery Navigation System Combined with Augmented Reality Based on Image Target Positioning System. , 2019, , .		1
69	Prediction of Malignant Transformation of WHO II Astrocytoma Using Mathematical Models Incorporating Apparent Diffusion Coefficient and Contrast Enhancement. Frontiers in Oncology, 2021, 11, 744827.	1.3	1
70	Phase IB trial of pegylated arginine deiminase (ADI-PEG 20) plus radiotherapy and temozolomide in patients with newly diagnosed glioblastoma.. Journal of Clinical Oncology, 2022, 40, 2057-2057.	0.8	1
71	CSIG-07. INVASIVENESS OF GLIOMA PROMOTED BY C-C MOTIF LIGAND 5 CORRELATES WITH CAMKII SIGNALLING PATHWAY. Neuro-Oncology, 2017, 19, vi51-vi51.	0.6	0
72	EXTH-72. MANZAMINE A-DERIVED COMPOUNDS AS POTENTIAL ANTI-BRAIN TUMOR AGENTS AND IT MECHANISM STUDY. Neuro-Oncology, 2019, 21, vi97-vi97.	0.6	0

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73	Editorial: advances in neuro-oncology and clinical treatmentâ€™from ASNO 2019. Journal of Neuro-Oncology, 2020, 146, 397-398.	1.4	0
74	QOLP-28. PREOPERATIVE SLEEP DISTURBANCE AND ITS ASSOCIATION WITH QUALITY OF LIFE IN ADULT BRAIN TUMOR PATIENTS. Neuro-Oncology, 2020, 22, ii181-ii181.	0.6	0
75	Cauda equina syndrome caused by multiple intraspinal hemorrhage following percutaneous coronary intervention. Asian Journal of Surgery, 2022, , .	0.2	0
76	Primary intracranial malignant melanomas in solitary type: a tertiary center experience. Journal of Clinical Neuroscience, 2022, 101, 37-46.	0.8	0
77	A manzamine-derived compound as a potential therapeutic agent for glioma by inducing apoptosis and cell cycle arrest.. American Journal of Cancer Research, 2022, 12, 1740-1751.	1.4	0