

# Thomas C Chen

## List of Publications by Year in descending order

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Version: 2024-02-01

70  
papers

2,917  
citations

304602

22  
h-index

168321

53  
g-index

72  
all docs

72  
docs citations

72  
times ranked

4630  
citing authors

#	ARTICLE	IF	CITATIONS
1	Lumbar surgical drains do not increase the risk of infections in patients undergoing spine surgery. <i>European Spine Journal</i> , 2022, 31, 1775-1783.	1.0	4
2	NEO100 enables brain delivery of blood-brain barrier impermeable therapeutics. <i>Neuro-Oncology</i> , 2021, 23, 63-75.	0.6	19
3	Phase I trial of intranasal NEO100, highly purified perillyl alcohol, in adult patients with recurrent glioblastoma. <i>Neuro-Oncology Advances</i> , 2021, 3, vdab005.	0.4	8
4	Enhanced brain delivery and therapeutic activity of trastuzumab after blood-brain barrier opening by NEO100 in mouse models of brain-metastatic breast cancer. <i>Neuro-Oncology</i> , 2021, 23, 1656-1667.	0.6	11
5	<i>In vivo</i> CRISPR screening for novel noncoding RNA functional targets in glioblastoma models. <i>Journal of Neuroscience Research</i> , 2021, 99, 2029-2045.	1.3	6
6	Utilization of Discarded Surgical Tissue from Ultrasonic Aspirators to Establish Patient-Derived Metastatic Brain Tumor Cells: A Guide from the Operating Room to the Research Laboratory. <i>Current Protocols</i> , 2021, 1, e140.	1.3	3
7	Medulloblastoma uses GABA transaminase to survive in the cerebrospinal fluid microenvironment and promote leptomeningeal dissemination. <i>Cell Reports</i> , 2021, 35, 109302.	2.9	19
8	Potentially Curative Therapeutic Activity of NEO212, a Perillyl Alcohol-Temozolomide Conjugate, in Preclinical Cytarabine-Resistant Models of Acute Myeloid Leukemia. <i>Cancers</i> , 2021, 13, 3385.	1.7	2
9	The Monoterpenoid Perillyl Alcohol: Anticancer Agent and Medium to Overcome Biological Barriers. <i>Pharmaceutics</i> , 2021, 13, 2167.	2.0	12
10	Simultaneous measurement of perillyl alcohol and its metabolite perillic acid in plasma and lung after inhalational administration in Wistar rats. <i>Drug Testing and Analysis</i> , 2020, 12, 268-279.	1.6	5
11	miR-18a Inhibits BMP4 and HIF-1 $\alpha$ Normalizing Brain Arteriovenous Malformations. <i>Circulation Research</i> , 2020, 127, e210-e231.	2.0	15
12	Developing a clinically relevant radiosensitizer for temozolomide-resistant gliomas. <i>PLoS ONE</i> , 2020, 15, e0238238.	1.1	7
13	Intravenous delivery of microRNA-133b along with Argonaute-2 enhances spinal cord recovery following cervical contusion in mice. <i>Spine Journal</i> , 2020, 20, 1138-1151.	0.6	10
14	Association Between Outdoor Air Pollution and Risk of Malignant and Benign Brain Tumors: The Multiethnic Cohort Study. <i>JNCI Cancer Spectrum</i> , 2020, 4, pkz107.	1.4	16
15	Efficient brain targeting and therapeutic intracranial activity of bortezomib through intranasal co-delivery with NEO100 in rodent glioblastoma models. <i>Journal of Neurosurgery</i> , 2020, 132, 959-967.	0.9	11
16	Pharmacokinetic properties of the temozolomide perillyl alcohol conjugate (NEO212) in mice. <i>Neuro-Oncology Advances</i> , 2020, 2, vdaa160.	0.4	6
17	Developing a clinically relevant radiosensitizer for temozolomide-resistant gliomas. , 2020, 15, e0238238.		0
18	Developing a clinically relevant radiosensitizer for temozolomide-resistant gliomas. , 2020, 15, e0238238.		0

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19	Developing a clinically relevant radiosensitizer for temozolomide-resistant gliomas. , 2020, 15, e0238238.		0
20	Developing a clinically relevant radiosensitizer for temozolomide-resistant gliomas. , 2020, 15, e0238238.		0
21	Distribution of cancer stem cells in two human brain gliomas. <i>Oncology Letters</i> , 2019, 17, 2123-2130.	0.8	12
22	Sodium Valproate Reduces Neuronal Apoptosis in Acute Pentylene-tetrazole-Induced Seizures via Inhibiting ER Stress. <i>Neurochemical Research</i> , 2019, 44, 2517-2526.	1.6	14
23	NEO212 induces mitochondrial apoptosis and impairs autophagy flux in ovarian cancer. <i>Journal of Experimental and Clinical Cancer Research</i> , 2019, 38, 239.	3.5	23
24	Cytotoxic impact of a perillyl alcohol-temozolomide conjugate, NEO212, on cutaneous T-cell lymphoma in vitro. <i>Therapeutic Advances in Medical Oncology</i> , 2019, 11, 175883591989156.	1.4	7
25	NEO212, a conjugate of temozolomide and perillyl alcohol, blocks the endothelial-to-mesenchymal transition in tumor-associated brain endothelial cells in glioblastoma. <i>Cancer Letters</i> , 2019, 442, 170-180.	3.2	21
26	The Rolipram-Perillyl Alcohol Conjugate (NEO214) Is A Mediator of Cell Death through the Death Receptor Pathway. <i>Molecular Cancer Therapeutics</i> , 2019, 18, 517-530.	1.9	7
27	Temozolomide-perillyl alcohol conjugate downregulates O6-methylguanine DNA methyltransferase via inducing ubiquitination-dependent proteolysis in non-small cell lung cancer. <i>Cell Death and Disease</i> , 2018, 9, 202.	2.7	5
28	NEO212 Inhibits Migration and Invasion of Glioma Stem Cells. <i>Molecular Cancer Therapeutics</i> , 2018, 17, 625-637.	1.9	19
29	Spine Surgery Complicated by an Engorged Lumbar Epidural Venous Plexus from Cerebrospinal Fluid Overshunting: A Case Report and Review of the Literature. <i>World Neurosurgery</i> , 2018, 111, 68-72.	0.7	7
30	Intratumoral delivery of bortezomib: impact on survival in an intracranial glioma tumor model. <i>Journal of Neurosurgery</i> , 2018, 128, 695-700.	0.9	34
31	2313 Characterization of the host pericyte role in glioblastoma angiogenesis. <i>Journal of Clinical and Translational Science</i> , 2018, 2, 1-1.	0.3	0
32	ATIM-28. PHASE 2 STUDY OF ERC1671 PLUS BEVACIZUMAB VS BEVACIZUMAB PLUS PLACEBO IN RECURRENT GBM INTERIM RESULTS AND CORRELATIONS WITH CD4+ T LYMPHOCYTE COUNTS. <i>Neuro-Oncology</i> , 2018, 20, vi7-vi7.	0.6	0
33	Temozolomide-Perillyl alcohol conjugate impairs Mitophagy flux by inducing lysosomal dysfunction in non-small cell lung Cancer cells and sensitizes them to irradiation. <i>Journal of Experimental and Clinical Cancer Research</i> , 2018, 37, 250.	3.5	12
34	Phase II study of ERC1671 plus bevacizumab versus bevacizumab plus placebo in recurrent glioblastoma: interim results and correlations with CD4 <sup>+</sup> T-lymphocyte counts. <i>CNS Oncology</i> , 2018, 7, CNS22.	1.2	49
35	Induction of Pro-Apoptotic Endoplasmic Reticulum Stress in Multiple Myeloma Cells by NEO214, Perillyl Alcohol Conjugated to Rolipram. <i>International Journal of Molecular Sciences</i> , 2018, 19, 277.	1.8	7
36	NEO212: sub-cytotoxic doses capable of inhibiting glioma stem cell invasion. <i>Oncoscience</i> , 2018, 5, 148-149.	0.9	1

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37	NEO412: A temozolomide analog with transdermal activity in melanoma in vitro and in vivo. <i>Oncotarget</i> , 2018, 9, 37026-37041.	0.8	5
38	A perillyl alcohol-conjugated analog of 3-bromopyruvate without cellular uptake dependency on monocarboxylate transporter 1 and with activity in 3-BP-resistant tumor cells. <i>Cancer Letters</i> , 2017, 400, 161-174.	3.2	11
39	Therapeutic effect of TMZ-POH on human nasopharyngeal carcinoma depends on reactive oxygen species accumulation. <i>Oncotarget</i> , 2016, 7, 1651-1662.	0.8	11
40	Heterocellular Contacts with Mouse Brain Endothelial Cells Via Laminin and $\alpha 6 \beta 1$ Integrin Sustain Subventricular Zone (SVZ) Stem/Progenitor Cells Properties. <i>Frontiers in Cellular Neuroscience</i> , 2016, 10, 284.	1.8	15
41	Perillyl Alcohol and Its Drug-Conjugated Derivatives as Potential Novel Methods of Treating Brain Metastases. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1463.	1.8	33
42	Medulloblastoma initiation and spread: Where neurodevelopment, microenvironment and cancer cross pathways. <i>Journal of Neuroscience Research</i> , 2016, 94, 1511-1519.	1.3	11
43	Temozolomide-perillyl alcohol conjugate induced reactive oxygen species accumulation contributes to its cytotoxicity against non-small cell lung cancer. <i>Scientific Reports</i> , 2016, 6, 22762.	1.6	18
44	Tumor vasculature and glioma stem cells: Contributions to glioma progression. <i>Cancer Letters</i> , 2016, 380, 545-551.	3.2	106
45	Primary Intraosseous Meningioma. <i>Neurosurgery Clinics of North America</i> , 2016, 27, 189-193.	0.8	49
46	Effects of fusion and conservative treatment on disc degeneration and rates of subsequent surgery after thoracolumbar fracture. <i>Journal of Neurosurgery: Spine</i> , 2016, 24, 476-482.	0.9	6
47	A novel drug conjugate, NEO212, targeting proneural and mesenchymal subtypes of patient-derived glioma cancer stem cells. <i>Cancer Letters</i> , 2016, 371, 240-250.	3.2	24
48	Monoamine oxidase A (MAO A) inhibitors decrease glioma progression. <i>Oncotarget</i> , 2016, 7, 13842-13853.	0.8	61
49	Chemotherapeutic effect of a novel temozolomide analog on nasopharyngeal carcinoma in vitro and in vivo. <i>Journal of Biomedical Science</i> , 2015, 22, 71.	2.6	18
50	A novel temozolomide analog, NEO212, with enhanced activity against MGMT-positive melanoma in vitro and in vivo. <i>Cancer Letters</i> , 2015, 358, 144-151.	3.2	22
51	First clinical results of a personalized immunotherapeutic vaccine against recurrent, incompletely resected, treatment-resistant glioblastoma multiforme (GBM) tumors, based on combined allo- and auto-immune tumor reactivity. <i>Vaccine</i> , 2015, 33, 2690-2696.	1.7	41
52	Nanoparticle biointerfacing by platelet membrane cloaking. <i>Nature</i> , 2015, 526, 118-121.	13.7	1,270
53	Use of ERC-1671 Vaccine in a Patient with Recurrent Glioblastoma Multiforme after Progression during Bevacizumab Therapy: First Published Report. , 2015, 19, 41-46.		10
54	Preclinical development and clinical use of perillyl alcohol for chemoprevention and cancer therapy. <i>American Journal of Cancer Research</i> , 2015, 5, 1580-93.	1.4	37

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55	NEO212, Temozolomide Conjugated to Perillyl Alcohol, Is a Novel Drug for Effective Treatment of a Broad Range of Temozolomide-Resistant Gliomas. <i>Molecular Cancer Therapeutics</i> , 2014, 13, 2004-2017.	1.9	52
56	Sequential Administration of Carbon Nanotubes and Near-Infrared Radiation for the Treatment of Gliomas. <i>Frontiers in Oncology</i> , 2014, 4, 180.	1.3	29
57	Argonaute2 Promotes miR18a Entry in Human Brain Endothelial Cells. <i>Journal of the American Heart Association</i> , 2014, 3, e000968.	1.6	26
58	Diffusion restriction in a non-enhancing metastatic brain tumor treated with bevacizumab – recurrent tumor or atypical necrosis?. <i>Clinical Imaging</i> , 2014, 38, 724-726.	0.8	4
59	A Novel Temozolomide-Perillyl Alcohol Conjugate Exhibits Superior Activity against Breast Cancer Cells <i>in Vitro</i> and Intracranial Triple-Negative Tumor Growth <i>in Vivo</i> . <i>Molecular Cancer Therapeutics</i> , 2014, 13, 1181-1193.	1.9	43
60	Perillyl Alcohol for the Treatment of Temozolomide-Resistant Gliomas. <i>Molecular Cancer Therapeutics</i> , 2012, 11, 2462-2472.	1.9	75
61	Exploring the Therapeutic Efficacy of Glioma Vaccines Based on Allo- and Syngeneic Antigens and Distinct Immunological Costimulation Activators. <i>Journal of Clinical &amp; Cellular Immunology</i> , 2012, 01, 004.	1.5	2
62	Green tea epigallocatechin gallate enhances therapeutic efficacy of temozolomide in orthotopic mouse glioblastoma models. <i>Cancer Letters</i> , 2011, 302, 100-108.	3.2	91
63	GRP78/BiP. <i>Methods in Enzymology</i> , 2011, 491, 25-36.	0.4	5
64	Glioma-associated endothelial cells are chemoresistant to temozolomide. <i>Journal of Neuro-Oncology</i> , 2009, 95, 13-22.	1.4	44
65	Aggravated Endoplasmic Reticulum Stress as a Basis for Enhanced Glioblastoma Cell Killing by Bortezomib in Combination with Celecoxib or Its Non-Coxib Analogue, 2,5-Dimethyl-Celecoxib. <i>Cancer Research</i> , 2008, 68, 843-851.	0.4	131
66	Optical Properties of Carbon Nanotubes: Near-Infrared Induced Hyperthermia as Therapy for Brain Tumors. <i>Materials Research Society Symposia Proceedings</i> , 2007, 1065, 1.	0.1	0
67	Combination therapy with irinotecan and protein kinase C inhibitors in malignant glioma. <i>Cancer</i> , 2003, 97, 2363-2373.	2.0	46
68	The Type IV Phosphodiesterase Inhibitor Rolipram Induces Expression Inhibitors p21Cip1 and p27Kip1, Resulting in Growth Inhibition, Increased Differentiation, and Subsequent Apoptosis of Malignant A-172 Glioma Cells. <i>Cancer Biology and Therapy</i> , 2002, 1, 268-276.	1.5	67
69	Soluble TNF- $\alpha$ Receptors Are Constitutively Shed and Downregulate Adhesion Molecule Expression in Malignant Gliomas. <i>Journal of Neuropathology and Experimental Neurology</i> , 1997, 56, 541-550.	0.9	23
70	Vagus Nerve Stimulation Activates Central Nervous System Structures in Epileptic Patients During PET H215O Blood Flow Imaging. <i>Neurosurgery</i> , 1996, 39, 426-431.	0.6	151