Thomas C Chen

List of Publications by Year
in descending order

70 papers	2,917 citations	304743 22 h-index	168389 53 g-index
72 all docs	72 docs citations	72 times ranked	4630 citing authors

#	Article	IF	Citations
1	Nanoparticle biointerfacing by platelet membrane cloaking. Nature, 2015, 526, 118-121.	27.8	1,270
2	Vagus Nerve Stimulation Activates Central Nervous System Structures in Epileptic Patients During PET H215O Blood Flow Imaging. Neurosurgery, 1996, 39, 426-431.	1.1	151
3	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. Cancer Research, 2008, 68, 843-851.	0.9	131
4	Tumor vasculature and glioma stem cells: Contributions to glioma progression. Cancer Letters, 2016, 380, 545-551.	7.2	106
5	Green tea epigallocatechin gallate enhances therapeutic efficacy of temozolomide in orthotopic mouse glioblastoma models. Cancer Letters, 2011, 302, 100-108.	7.2	91
6	Perillyl Alcohol for the Treatment of Temozolomide-Resistant Gliomas. Molecular Cancer Therapeutics, 2012, 11, 2462-2472.	4.1	75
7	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. Cancer Biology and Therapy, 2002, 1, 268-276.	3.4	67
8	Monoamine oxidase A (MAO A) inhibitors decrease glioma progression. Oncotarget, 2016, 7, 13842-13853.	1.8	61
9	NEO212, Temozolomide Conjugated to Perillyl Alcohol, Is a Novel Drug for Effective Treatment of a Broad Range of Temozolomide-Resistant Gliomas. Molecular Cancer Therapeutics, 2014, 13, 2004-2017.	4.1	52
10	Primary Intraosseous Meningioma. Neurosurgery Clinics of North America, 2016, 27, 189-193.	1.7	49
11	Phase II study of ERC1671 plus bevacizumab versus bevacizumab plus placebo in recurrent glioblastoma: interim results and correlations with CD4⁺T-lymphocyte counts. CNS Oncology, 2018, 7, CNS22.	3.0	49
12	Combination therapy with irinotecan and protein kinase C inhibitors in malignant glioma. Cancer, 2003, 97, 2363-2373.	4.1	46
13	Glioma-associated endothelial cells are chemoresistant to temozolomide. Journal of Neuro-Oncology, 2009, 95, 13-22.	2.9	44
14	A Novel Temozolomideâ€“Perillyl Alcohol Conjugate Exhibits Superior Activity against Breast Cancer Cells In Vitro and Intracranial Triple-Negative Tumor Growth In Vivo. Molecular Cancer Therapeutics, 2014, 13, 1181-1193.	4.1	43
15	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. Vaccine, 2015, 33, 2690-2696.	3.8	41
16	Preclinical development and clinical use of perillyl alcohol for chemoprevention and cancer therapy. American Journal of Cancer Research, 2015, 5, 1580-93.	1.4	37
17	Intratumoral delivery of bortezomib: impact on survival in an intracranial glioma tumor model. Journal of Neurosurgery, 2018, 128, 695-700.	1.6	34
18	Perillyl Alcohol and Its Drug-Conjugated Derivatives as Potential Novel Methods of Treating Brain Metastases. International Journal of Molecular Sciences, 2016, 17, 1463.	4.1	33

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19	Sequential Administration of Carbon Nanotubes and Near-Infrared Radiation for the Treatment of Gliomas. Frontiers in Oncology, 2014, 4, 180.	2.8	29
20	Argonauteâ€2 Promotes miRâ€18a Entry in Human Brain Endothelial Cells. Journal of the American Heart Association, 2014, 3, e000968.	3.7	26
21	A novel drug conjugate, NEO212, targeting proneural and mesenchymal subtypes of patient-derived glioma cancer stem cells. Cancer Letters, 2016, 371, 240-250.	7.2	24
22	Soluble TNF-Î± Receptors Are Constitutively Shed and Downregulate Adhesion Molecule Expression in Malignant Gliomas. Journal of Neuropathology and Experimental Neurology, 1997, 56, 541-550.	1.7	23
23	NEO212 induces mitochondrial apoptosis and impairs autophagy flux in ovarian cancer. Journal of Experimental and Clinical Cancer Research, 2019, 38, 239.	8.6	23
24	A novel temozolomide analog, NEO212, with enhanced activity against MGMT-positive melanoma in vitro and in vivo. Cancer Letters, 2015, 358, 144-151.	7.2	22
25	NEO212, a conjugate of temozolomide and perillyl alcohol, blocks the endothelial-to-mesenchymal transition in tumor-associated brain endothelial cells in glioblastoma. Cancer Letters, 2019, 442, 170-180.	7.2	21
26	NEO212 Inhibits Migration and Invasion of Glioma Stem Cells. Molecular Cancer Therapeutics, 2018, 17, 625-637.	4.1	19
27	NEO100 enables brain delivery of bloodâ€'brain barrier impermeable therapeutics. Neuro-Oncology, 2021, 23, 63-75.	1.2	19
28	Medulloblastoma uses GABA transaminase to survive in the cerebrospinal fluid microenvironment and promote leptomeningeal dissemination. Cell Reports, 2021, 35, 109302.	6.4	19
29	Chemotherapeutic effect of a novel temozolomide analog on nasopharyngeal carcinoma in vitro and in vivo. Journal of Biomedical Science, 2015, 22, 71.	7.0	18
30	Temozolomide-perillyl alcohol conjugate induced reactive oxygen species accumulation contributes to its cytotoxicity against non-small cell lung cancer. Scientific Reports, 2016, 6, 22762.	3.3	18
31	Association Between Outdoor Air Pollution and Risk of Malignant and Benign Brain Tumors: The Multiethnic Cohort Study. JNCI Cancer Spectrum, 2020, 4, pkz107.	2.9	16
32	Heterocellular Contacts with Mouse Brain Endothelial Cells Via Laminin and Î±6Î²1 Integrin Sustain Subventricular Zone (SVZ) Stem/Progenitor Cells Properties. Frontiers in Cellular Neuroscience, 2016, 10, 284.	3.7	15
33	miR-18a Inhibits BMP4 and HIF-1Î± Normalizing Brain Arteriovenous Malformations. Circulation Research, 2020, 127, e210-e231.	4.5	15
34	Sodium Valproate Reduces Neuronal Apoptosis in Acute Pentylenetetrzole-Induced Seizures via Inhibiting ER Stress. Neurochemical Research, 2019, 44, 2517-2526.	3.3	14
35	Distribution of cancer stem cells in two human brain gliomas. Oncology Letters, 2019, 17, 2123-2130.	1.8	12
36	Temozolomide-Perillyl alcohol conjugate impairs Mitophagy flux by inducing lysosomal dysfunction in non-small cell lung Cancer cells and sensitizes them to irradiation. Journal of Experimental and Clinical Cancer Research, 2018, 37, 250.	8.6	12

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37	The Monoterpenoid Perillyl Alcohol: Anticancer Agent and Medium to Overcome Biological Barriers. Pharmaceutics, 2021, 13, 2167.	4.5	12
38	Therapeutic effect of TMZ-POH on human nasopharyngeal carcinoma depends on reactive oxygen species accumulation. Oncotarget, 2016, 7, 1651-1662.	1.8	11
39	Medulloblastoma initiation and spread: Where neurodevelopment, microenvironment and cancer cross pathways. Journal of Neuroscience Research, 2016, 94, 1511-1519.	2.9	11
40	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. Cancer Letters, 2017, 400, 161-174.	7.2	11
41	Enhanced brain delivery and therapeutic activity of trastuzumab after blood-brain barrier opening by NEO100 in mouse models of brain-metastatic breast cancer. Neuro-Oncology, 2021, 23, 1656-1667.	1.2	11
42	Efficient brain targeting and therapeutic intracranial activity of bortezomib through intranasal co-delivery with NEO100 in rodent glioblastoma models. Journal of Neurosurgery, 2020, 132, 959-967.	1.6	11
43	Intravenous delivery of microRNA-133b along with Argonaute-2 enhances spinal cord recovery following cervical contusion in mice. Spine Journal, 2020, 20, 1138-1151.	1.3	10
44	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
45	Phase I trial of intranasal NEO100, highly purified perillyl alcohol, in adult patients with recurrent glioblastoma. Neuro-Oncology Advances, 2021, 3, vdab005.	0.7	8
46	Spine Surgery Complicated by an Engorged Lumbar Epidural Venous Plexus from Cerebrospinal Fluid Overshunting: A Case Report and Review of the Literature. World Neurosurgery, 2018, 111, 68-72.	1.3	7
47	Induction of Pro-Apoptotic Endoplasmic Reticulum Stress in Multiple Myeloma Cells by NEO214, Perillyl Alcohol Conjugated to Rolipram. International Journal of Molecular Sciences, 2018, 19, 277.	4.1	7
48	Cytotoxic impact of a perillyl alcoholâ€“temozolomide conjugate, NEO212, on cutaneous T-cell lymphoma in vitro. Therapeutic Advances in Medical Oncology, 2019, 11, 175883591989156.	3.2	7
49	The Rolipramâ€“Perillyl Alcohol Conjugate (NEO214) Is A Mediator of Cell Death through the Death Receptor Pathway. Molecular Cancer Therapeutics, 2019, 18, 517-530.	4.1	7
50	Developing a clinically relevant radiosensitizer for temozolomide-resistant gliomas. PLoS ONE, 2020, 15, e0238238.	2.5	7
51	Effects of fusion and conservative treatment on disc degeneration and rates of subsequent surgery after thoracolumbar fracture. Journal of Neurosurgery: Spine, 2016, 24, 476-482.	1.7	6
52	In vivo CRISPR screening for novel noncoding RNA functional targets in glioblastoma models. Journal of Neuroscience Research, 2021, 99, 2029-2045.	2.9	6
53	Pharmacokinetic properties of the temozolomide perillyl alcohol conjugate (NEO212) in mice. Neuro-Oncology Advances, 2020, 2, vdaa160.	0.7	6
54	GRP78/BiP. Methods in Enzymology, 2011, 491, 25-36.	1.0	5

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55	Temozolomideâ€“perillyl alcohol conjugateÂdownregulates O6-methylguanin DNA methltransferase via inducing ubiquitination-dependent proteolysis in non-small cell lung cancer. Cell Death and Disease, 2018, 9, 202.	6.3	5
56	Simultaneous measurement of perillyl alcohol and its metabolite perillic acid in plasma and lung after inhalational administration in Wistar rats. Drug Testing and Analysis, 2020, 12, 268-279.	2.6	5
57	NEO412: A temozolomide analog with transdermal activity in melanoma in vitro and in vivo. Oncotarget, 2018, 9, 37026-37041.	1.8	5
58	Diffusion restriction in a non-enhancing metastatic brain tumor treated with bevacizumab â€" recurrent tumor or atypical necrosis?. Clinical Imaging, 2014, 38, 724-726.	1.5	4
59	Lumbar surgical drains do not increase the risk of infections in patients undergoing spine surgery. European Spine Journal, 2022, 31, 1775-1783.	2.2	4
60	Utilization of Discarded Surgical Tissue from Ultrasonic Aspirators to Establish PatientâEDerived Metastatic Brain Tumor Cells: A Guide from the Operating Room to the Research Laboratory. Current Protocols, 2021, 1, e140.	2.9	3
61	Potentially Curative Therapeutic Activity of NEO212, a Perillyl Alcohol-Temozolomide Conjugate, in Preclinical Cytarabine-Resistant Models of Acute Myeloid Leukemia. Cancers, 2021, 13, 3385.	3.7	2
62	Exploring the Therapeutic Efficacy of Glioma Vaccines Based on Allo- and Syngeneic Antigens and Distinct Immunological Costimulation Activators. Journal of Clinical & Cellular Immunology, 2012, 01, 004.	1.5	2
63	NEO212: sub-cytotoxic doses capable of inhibiting glioma stem cell invasion. Oncoscience, 2018, 5, 148-149.	2.2	1
64	Optical Properties of Carbon Nanotubes: Near-Infrared Induced Hyperthermia as Therapy for Brain Tumors. Materials Research Society Symposia Proceedings, 2007, 1065, 1.	0.1	0
65	2313 Characterization of the host pericyte role in glioblastoma angiogenesis. Journal of Clinical and Translational Science, 2018, 2, 1-1.	0.6	0
66	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. Neuro-Oncology, 2018, 20, vi7-vi7.	1.2	0
67	Developing a clinically relevant radiosensitizer for temozolomide-resistant gliomas. , 2020, 15, e0238238.		0
68	Developing a clinically relevant radiosensitizer for temozolomide-resistant gliomas. , 2020, 15, e0238238.		0
69	Developing a clinically relevant radiosensitizer for temozolomide-resistant gliomas. , 2020, 15, e0238238.		0
70	Developing a clinically relevant radiosensitizer for temozolomide-resistant gliomas. , 2020, 15, e0238238.		0