

Fang-Hsin Chen

List of Publications by Year in descending order

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52
papers

1,219
citations

567281

15
h-index

377865

34
g-index

53
all docs

53
docs citations

53
times ranked

1932
citing authors

#	ARTICLE	IF	CITATIONS
1	The Effect of Hypoxia on Relative Biological Effectiveness and Oxygen Enhancement Ratio for Cells Irradiated with Grenz Rays. <i>Cancers</i> , 2022, 14, 1262.	3.7	3
2	Role of Myeloid-Derived Suppressor Cells in High-Dose-Irradiated TRAMP-C1 Tumors: A Therapeutic Target and an Index for Assessing Tumor Microenvironment. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021, 109, 1547-1558.	0.8	10
3	Using bioinformatics approaches to investigate driver genes and identify BCL7A as a prognostic gene in colorectal cancer. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 3922-3929.	4.1	3
4	Radiation-Induced Metabolic Shifts in the Hepatic Parenchyma: Findings from ¹⁸ F-FDG PET Imaging and Tissue NMR Metabolomics in a Mouse Model for Hepatocellular Carcinoma. <i>Molecules</i> , 2021, 26, 2573.	3.8	5
5	LipidSig: a web-based tool for lipidomic data analysis. <i>Nucleic Acids Research</i> , 2021, 49, W336-W345.	14.5	38
6	Impact of Hypoxia on Relative Biological Effectiveness and Oxygen Enhancement Ratio for a 62-MeV Therapeutic Proton Beam. <i>Cancers</i> , 2021, 13, 2997.	3.7	8
7	Monitoring Early Glycolytic Flux Alterations Following Radiotherapy in Cancer and Immune Cells: Hyperpolarized Carbon-13 Magnetic Resonance Imaging Study. <i>Metabolites</i> , 2021, 11, 518.	2.9	4
8	Systematic identification of clinically relevant miRNAs for potential miRNA-based therapy in lung adenocarcinoma. <i>Molecular Therapy - Nucleic Acids</i> , 2021, 25, 1-10.	5.1	10
9	Local Interleukin-12 Treatment Enhances the Efficacy of Radiation Therapy by Overcoming Radiation-Induced Immune Suppression. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10053.	4.1	3
10	Monte Carlo Simulation of Double-Strand Break Induction and Conversion after Ultrasoft X-rays Irradiation. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11713.	4.1	4
11	First Results From All-Digital PET Dual Heads for In-Beam Beam-On Proton Therapy Monitoring. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2021, 5, 775-782.	3.7	5
12	DriverDBv3: a multi-omics database for cancer driver gene research. <i>Nucleic Acids Research</i> , 2020, 48, D863-D870.	14.5	104
13	Effects of indirect actions and oxygen on relative biological effectiveness: estimate of DSB inductions and conversions induced by therapeutic proton beams. <i>International Journal of Radiation Biology</i> , 2020, 96, 187-196.	1.8	9
14	Radiation Induces Pulmonary Fibrosis by Promoting the Fibrogenic Differentiation of Alveolar Stem Cells. <i>Stem Cells International</i> , 2020, 2020, 1-12.	2.5	7
15	Identification and validation of a miRNA-based prognostic signature for cervical cancer through an integrated bioinformatics approach. <i>Scientific Reports</i> , 2020, 10, 22270.	3.3	11
16	Sunitinib Treatment-elicited Distinct Tumor Microenvironment Dramatically Compensated the Reduction of Myeloid-derived Suppressor Cells. <i>In Vivo</i> , 2020, 34, 1141-1152.	1.3	6
17	Critical Role for the NLRP3 Inflammasome in Mediating IL-1 β Production in <i>Shigella sonnei</i> -Infected Macrophages. <i>Frontiers in Immunology</i> , 2020, 11, 1115.	4.8	11
18	Multimodal imaging reveals transient liver metabolic disturbance and sinusoidal circulation obstruction after a single administration of ketamine/xylazine mixture. <i>Scientific Reports</i> , 2020, 10, 3657.	3.3	3

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19	Synthetic 4-Hydroxy Auxarconjugatin B, a Novel Autophagy Inducer, Attenuates Gouty Inflammation by Inhibiting the NLRP3 Inflammasome. <i>Cells</i> , 2020, 9, 279.	4.1	16
20	Discovery of Driver Genes in Colorectal HT29-derived Cancer Stem-Like Tumorspheres. <i>Journal of Visualized Experiments</i> , 2020, , .	0.3	1
21	Mechanistic Insight Into the Activation of the NLRP3 Inflammasome by <i>Neisseria gonorrhoeae</i> in Macrophages. <i>Frontiers in Immunology</i> , 2019, 10, 1815.	4.8	14
22	Distinct Tumor Microenvironment at Tumor Edge as a Result of Astrocyte Activation Is Associated With Therapeutic Resistance for Brain Tumor. <i>Frontiers in Oncology</i> , 2019, 9, 307.	2.8	19
23	Iron embedded magnetic nanodiamonds for <i>in vivo</i> MRI contrast enhancement. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 505402.	2.8	7
24	Diffusion-weighted MRI and 18F-FDG PET correlation with immunity in early radiotherapy response in BNL hepatocellular carcinoma mouse model: timeline validation. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2019, 46, 1733-1744.	6.4	9
25	Application of a vertical charged-particle irradiation platform in glioblastoma multiforme cancer stem cell research. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2019, 441, 102-107.	1.4	1
26	Glucosamine inhibits IL-1 β expression by preserving mitochondrial integrity and disrupting assembly of the NLRP3 inflammasome. <i>Scientific Reports</i> , 2019, 9, 5603.	3.3	45
27	Secondary ion mass spectrometry to verify the implantation of magnetic ions in nanodiamonds. <i>Journal of Applied Physics</i> , 2019, 126, 175301.	2.5	1
28	Integrated microRNA and mRNA expression profile analysis of tumor-associated macrophages after exposure to single-dose irradiation. <i>Computational Biology and Chemistry</i> , 2018, 74, 368-378.	2.3	1
29	A new in-beam proton therapy monitoring system based on digital MVT readout. , 2018, , .		0
30	New Digital Plug and Imaging Sensor for a Proton Therapy Monitoring System Based on Positron Emission Tomography. <i>Sensors</i> , 2018, 18, 3006.	3.8	21
31	A Monte Carlo study of bone-tissue interface microdosimeters. <i>Applied Radiation and Isotopes</i> , 2018, 140, 193-200.	1.5	2
32	Flow versus permeability weighting in estimating the forward volumetric transfer constant (K _{trans}) obtained by DCE-MRI with contrast agents of differing molecular sizes. <i>Magnetic Resonance Imaging</i> , 2017, 36, 105-111.	1.8	7
33	Diffusion radiomics analysis of intratumoral heterogeneity in a murine prostate cancer model following radiotherapy: Pixelwise correlation with histology. <i>Journal of Magnetic Resonance Imaging</i> , 2017, 46, 483-489.	3.4	34
34	Gene expression profiling of tumor-associated macrophages after exposure to single-dose irradiation. <i>Computational Biology and Chemistry</i> , 2017, 69, 138-146.	2.3	3
35	Dual roles of tumour cells-derived matrix metalloproteinase 2 on brain tumour growth and invasion. <i>British Journal of Cancer</i> , 2017, 117, 1828-1836.	6.4	35
36	Abstract 5844: Suberoylanilide hydroxamic acid, a histone deacetylase inhibitor, improved radiosensitivity of human hepatocellular carcinoma. , 2017, , .		0

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37	Decline of Tumor Vascular Function as Assessed by Dynamic Contrast-Enhanced Magnetic Resonance Imaging Is Associated With Poor Responses to Radiation Therapy and Chemotherapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2016, 95, 1495-1503.	0.8	7
38	Abstract 1575: Intratumoral injection of interleukin-17 inhibits distant metastasis of radiation-induced recurrent tumor. , 2016, , .		0
39	Abstract 759: Sunitinib has opposite roles to regulate the myeloid-derived suppressor cells in tumors and peripheral blood. , 2016, , .		0
40	Abstract 4014: Combination of high-dose irradiation and local interleukin-12 treatment enhance tumor killing and have less toxicities than either treatment alone. , 2016, , .		0
41	Effects of indirect actions and oxygen on relative biological effectiveness: estimate of DSB induction and conversion induced by gamma rays and helium ions. <i>Journal of Radiation Research</i> , 2015, 56, 691-699.	1.6	21
42	Effects of pre-irradiation and SDF-1 suppression on the progression of murine astrocytoma cells grown in different stromal beds. <i>International Journal of Radiation Biology</i> , 2014, 90, 1162-1168.	1.8	1
43	Combination of Vessel-Targeting Agents and Fractionated Radiation Therapy: The Role of the SDF-1/CXCR4 Pathway. <i>International Journal of Radiation Oncology Biology Physics</i> , 2013, 86, 777-784.	0.8	34
44	Abstract 1532: The role of Arg-1+iNOS+tumor-associated macrophages and nitric oxide on tumor microenvironment after high-dose irradiation.. , 2013, , .		0
45	Irradiation Promotes an M2 Macrophage Phenotype in Tumor Hypoxia. <i>Frontiers in Oncology</i> , 2012, 2, 89.	2.8	154
46	In vivo imaging of radiation-induced tissue apoptosis by ^{99m} Tc(l)-his6-annexin A5. <i>Annals of Nuclear Medicine</i> , 2012, 26, 272-280.	2.2	2
47	Vasculatures in Tumors Growing From Preirradiated Tissues: Formed by Vasculogenesis and Resistant to Radiation and Antiangiogenic Therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2011, 80, 1512-1521.	0.8	23
48	Radiotherapy Decreases Vascular Density and Causes Hypoxia with Macrophage Aggregation in TRAMP-C1 Prostate Tumors. <i>Clinical Cancer Research</i> , 2009, 15, 1721-1729.	7.0	117
49	Functional phenotype of macrophages depends on assay procedures. <i>International Immunology</i> , 2008, 20, 215-222.	4.0	36
50	Macrophages From Irradiated Tumors Express Higher Levels of iNOS, Arginase-I and COX-2, and Promote Tumor Growth. <i>International Journal of Radiation Oncology Biology Physics</i> , 2007, 68, 499-507.	0.8	206
51	Compartmental responses after thoracic irradiation of mice: Strain differences. <i>International Journal of Radiation Oncology Biology Physics</i> , 2005, 62, 862-871.	0.8	96
52	Bronchoalveolar lavage and interstitial cells have different roles in radiation-induced lung injury. <i>International Journal of Radiation Biology</i> , 2003, 79, 159-167.	1.8	62