

Marjan Rafat

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

2,341
citations

394286

19
h-index

330025

37
g-index

46
all docs

46
docs citations

46
times ranked

3725
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of Ultra-high dose-rate FLASH Irradiation on the Tumor Microenvironment in Lewis Lung Carcinoma: Role of Myosin Light Chain. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021, 109, 1440-1453.	0.4	42
2	The HIF target MAFF promotes tumor invasion and metastasis through IL11 and STAT3 signaling. <i>Nature Communications</i> , 2021, 12, 4308.	5.8	45
3	Y box binding protein 1 inhibition as a targeted therapy for ovarian cancer. <i>Cell Chemical Biology</i> , 2021, 28, 1206-1220.e6.	2.5	19
4	Hypoxia inducible factor signaling in breast tumors controls spontaneous tumor dissemination in a site-specific manner. <i>Communications Biology</i> , 2021, 4, 1122.	2.0	11
5	Extracellular vesicles: mediators of intercellular communication in tissue injury and disease. <i>Cell Communication and Signaling</i> , 2021, 19, 104.	2.7	78
6	Irradiation or temozolomide chemotherapy enhances anti-CD47 treatment of glioblastoma. <i>Innate Immunity</i> , 2020, 26, 130-137.	1.1	29
7	Emerging Biomimetic Materials for Studying Tumor and Immune Cell Behavior. <i>Annals of Biomedical Engineering</i> , 2020, 48, 2064-2077.	1.3	10
8	Multimodal Multiplexed Immunoimaging with Nanostars to Detect Multiple Immunomarkers and Monitor Response to Immunotherapies. <i>ACS Nano</i> , 2020, 14, 651-663.	7.3	49
9	Systemic Inflammation After Radiation Predicts Locoregional Recurrence, Progression, and Mortality in Stage II-III Triple-Negative Breast Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2020, 108, 268-276.	0.4	16
10	Lipids in the tumor microenvironment: From cancer progression to treatment. <i>Progress in Lipid Research</i> , 2020, 80, 101055.	5.3	191
11	Abdominal FLASH irradiation reduces radiation-induced gastrointestinal toxicity for the treatment of ovarian cancer in mice. <i>Scientific Reports</i> , 2020, 10, 21600.	1.6	119
12	Organoids as Complex In Vitro Models for Studying Radiation-Induced Cell Recruitment. <i>Cellular and Molecular Bioengineering</i> , 2020, 13, 341-357.	1.0	7
13	Extracellular cGAMP is a cancer-cell-produced immunotransmitter involved in radiation-induced anticancer immunity. <i>Nature Cancer</i> , 2020, 1, 184-196.	5.7	178
14	Potent STING activation stimulates immunogenic cell death to enhance antitumor immunity in neuroblastoma. , 2020, 8, e000282.		95
15	Induced Tumor Heterogeneity Reveals Factors Informing Radiation and Immunotherapy Combinations. <i>Clinical Cancer Research</i> , 2020, 26, 2972-2985.	3.2	9
16	Immunoengineering in glioblastoma imaging and therapy. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2019, 11, e1575.	3.3	16
17	Reduced cognitive deficits after FLASH irradiation of whole mouse brain are associated with less hippocampal dendritic spine loss and neuroinflammation. <i>Radiotherapy and Oncology</i> , 2019, 139, 4-10.	0.3	166
18	Studying Normal Tissue Radiation Effects using Extracellular Matrix Hydrogels. <i>Journal of Visualized Experiments</i> , 2019, , .	0.2	5

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19	Growth and Characterization of Irradiated Organoids from Mammary Glands. Journal of Visualized Experiments, 2019, , .	0.2	12
20	Impact of diversity of morphological characteristics and Reynolds number on local hemodynamics in basilar aneurysms. AICHE Journal, 2018, 64, 2792-2802.	1.8	1
21	The role of granulocyte macrophage colony stimulating factor (GM-CSF) in radiation-induced tumor cell migration. Clinical and Experimental Metastasis, 2018, 35, 247-254.	1.7	11
22	Matrix mechanical plasticity regulates cancer cell migration through confining microenvironments. Nature Communications, 2018, 9, 4144.	5.8	263
23	Macrophages Promote Circulating Tumor Cell-Mediated Local Recurrence following Radiotherapy in Immunosuppressed Patients. Cancer Research, 2018, 78, 4241-4252.	0.4	36
24	Dynamic CT imaging of volumetric changes in pulmonary nodules correlates with physical measurements of stiffness. Radiotherapy and Oncology, 2017, 122, 313-318.	0.3	11
25	Experimental Platform for Ultra-high Dose Rate FLASH Irradiation of Small Animals Using a Clinical Linear Accelerator. International Journal of Radiation Oncology Biology Physics, 2017, 97, 195-203.	0.4	177
26	Our panel of experts highlight the most important research articles across the spectrum of topics relevant to the field of regenerative medicine. Regenerative Medicine, 2016, 11, 19-21.	0.8	1
27	Reprogramming the immunological microenvironment through radiation and targeting Axl. Nature Communications, 2016, 7, 13898.	5.8	150
28	Effects of radiation on metastasis and tumor cell migration. Cellular and Molecular Life Sciences, 2016, 73, 2999-3007.	2.4	100
29	Real-time evaluation of cell viability using nanoprobes. Regenerative Medicine, 2015, 10, 391-392.	0.8	0
30	Highlights from the latest articles in regenerative medicine. Regenerative Medicine, 2015, 10, 15-16.	0.8	0
31	pH-responsive scaffolds generate a pro-healing response. Biomaterials, 2015, 57, 22-32.	5.7	32
32	Imaging radiation response in tumor and normal tissue. American Journal of Nuclear Medicine and Molecular Imaging, 2015, 5, 317-32.	1.0	10
33	Highlights from the latest articles in regenerative medicine. Regenerative Medicine, 2014, 9, 721-722.	0.8	0
34	Recruitment of Circulating Breast Cancer Cells Is Stimulated by Radiotherapy. Cell Reports, 2014, 8, 402-409.	2.9	65
35	The Relationship Between Serial [¹⁸ F]PBR06 PET Imaging of Microglial Activation and Motor Function Following Stroke in Mice. Molecular Imaging and Biology, 2014, 16, 821-829.	1.3	18
36	Engineered endothelial cell adhesion via VCAM1 and E-selectin antibody-presenting alginate hydrogels. Acta Biomaterialia, 2012, 8, 2697-2703.	4.1	10

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37	Dual functionalized PVA hydrogels that adhere endothelial cells synergistically. <i>Biomaterials</i> , 2012, 33, 3880-3886.	5.7	23
38	Nanoengineering the Heart: Conductive Scaffolds Enhance Connexin 43 Expression. <i>Nano Letters</i> , 2011, 11, 3643-3648.	4.5	264
39	Cross-Linked, Heterogeneous Colloidosomes Exhibit pH-Induced Morphogenesis. <i>Langmuir</i> , 2011, 27, 11282-11286.	1.6	12
40	Fabrication of reversibly adhesive fluidic devices using magnetism. <i>Lab on A Chip</i> , 2009, 9, 3016.	3.1	28
41	Association (micellization) and partitioning of aglycon triterpenoids. <i>Journal of Colloid and Interface Science</i> , 2008, 325, 324-330.	5.0	17