

# Johanna A Joyce

## List of Publications by Year in descending order

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Version: 2024-02-01

51  
papers

22,054  
citations

81743

39  
h-index

182168

51  
g-index

53  
all docs

53  
docs citations

53  
times ranked

32482  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multimodal imaging of the dynamic brain tumor microenvironment during glioblastoma progression and in response to treatment. <i>IScience</i> , 2022, 25, 104570.	1.9	12
2	Therapeutic Targeting of the Tumor Microenvironment. <i>Cancer Discovery</i> , 2021, 11, 933-959.	7.7	646
3	An integrated pipeline for comprehensive analysis of immune cells in human brain tumor clinical samples. <i>Nature Protocols</i> , 2021, 16, 4692-4721.	5.5	7
4	Compensatory CSF2-driven macrophage activation promotes adaptive resistance to CSF1R inhibition in breast-to-brain metastasis. <i>Nature Cancer</i> , 2021, 2, 1086-1101.	5.7	39
5	Dynamic changes in glioma macrophage populations after radiotherapy reveal CSF-1R inhibition as a strategy to overcome resistance. <i>Science Translational Medicine</i> , 2020, 12, .	5.8	170
6	Central memory CD8+ T <sup>h</sup> cells derive from stem-like Tcf7hi effector cells in the absence of cytotoxic differentiation. <i>Immunity</i> , 2020, 53, 985-1000.e11.	6.6	107
7	Interrogation of the Microenvironmental Landscape in Brain Tumors Reveals Disease-Specific Alterations of Immune Cells. <i>Cell</i> , 2020, 181, 1643-1660.e17.	13.5	554
8	Brain Metastasis Cell Lines Panel: A Public Resource of Organotropic Cell Lines. <i>Cancer Research</i> , 2020, 80, 4314-4323.	0.4	51
9	Spatially and temporally defined lysosomal leakage facilitates mitotic chromosome segregation. <i>Nature Communications</i> , 2020, 11, 229.	5.8	51
10	Microglia promote glioblastoma via mTOR $\epsilon$ -mediated immunosuppression of the tumour microenvironment. <i>EMBO Journal</i> , 2020, 39, e103790.	3.5	77
11	Imaging endogenous macrophage iron deposits reveals a metabolic biomarker of polarized tumor macrophage infiltration and response to CSF1R breast cancer immunotherapy. <i>Scientific Reports</i> , 2019, 9, 857.	1.6	23
12	Re-education of macrophages as a therapeutic strategy in cancer. <i>Immunotherapy</i> , 2019, 11, 677-689.	1.0	124
13	Challenges to curing primary brain tumours. <i>Nature Reviews Clinical Oncology</i> , 2019, 16, 509-520.	12.5	540
14	Evaluating Magnetic Resonance Spectroscopy as a Tool for Monitoring Therapeutic Response of Whole Brain Radiotherapy in a Mouse Model for Breast-to-Brain Metastasis. <i>Frontiers in Oncology</i> , 2019, 9, 1324.	1.3	13
15	A Long-Distance Relationship between Tumor and Bone. <i>Immunity</i> , 2018, 48, 13-16.	6.6	2
16	Metabolic origins of spatial organization in the tumor microenvironment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 2934-2939.	3.3	259
17	Tumor-Associated Macrophages Suppress the Cytotoxic Activity of Antimitotic Agents. <i>Cell Reports</i> , 2017, 19, 101-113.	2.9	89
18	The Microenvironmental Landscape of Brain Tumors. <i>Cancer Cell</i> , 2017, 31, 326-341.	7.7	1,163

#	ARTICLE	IF	CITATIONS
19	Inflammatory Monocytes Promote Perineural Invasion via CCL2-Mediated Recruitment and Cathepsin B Expression. <i>Cancer Research</i> , 2017, 77, 6400-6414.	0.4	73
20	Obesity alters the lung myeloid cell landscape to enhance breast cancer metastasis through IL5 and AGM-CSF. <i>Nature Cell Biology</i> , 2017, 19, 974-987.	4.6	205
21	Obesity and the tumor microenvironment. <i>Science</i> , 2017, 358, 1130-1131.	6.0	60
22	Iron imaging reveals tumor and metastasis macrophage hemosiderin deposits in breast cancer. <i>PLoS ONE</i> , 2017, 12, e0184765.	1.1	34
23	The tumor microenvironment underlies acquired resistance to CSF-1R inhibition in gliomas. <i>Science</i> , 2016, 352, aad3018.	6.0	477
24	TAILS N-Terminomics and Proteomics Show Protein Degradation Dominates over Proteolytic Processing by Cathepsins in Pancreatic Tumors. <i>Cell Reports</i> , 2016, 16, 1762-1773.	2.9	66
25	Macrophage Ontogeny Underlies Differences in Tumor-Specific Education in Brain Malignancies. <i>Cell Reports</i> , 2016, 17, 2445-2459.	2.9	450
26	STAT3 and STAT6 Signaling Pathways Synergize to Promote Cathepsin Secretion from Macrophages via IRE1 $\beta$ Activation. <i>Cell Reports</i> , 2016, 16, 2914-2927.	2.9	125
27	Legumain is activated in macrophages during pancreatitis. <i>American Journal of Physiology - Renal Physiology</i> , 2016, 311, G548-G560.	1.6	35
28	Combined deletion of cathepsin protease family members reveals compensatory mechanisms in cancer. <i>Genes and Development</i> , 2016, 30, 220-232.	2.7	50
29	High-dose methotrexate-based chemotherapy as treatment for histiocytic sarcoma of the central nervous system. <i>Leukemia and Lymphoma</i> , 2016, 57, 1961-1964.	0.6	7
30	T cell exclusion, immune privilege, and the tumor microenvironment. <i>Science</i> , 2015, 348, 74-80.	6.0	1,735
31	Sensing Cytosolic RpsL by Macrophages Induces Lysosomal Cell Death and Termination of Bacterial Infection. <i>PLoS Pathogens</i> , 2015, 11, e1004704.	2.1	21
32	Proteomic Identification of Cysteine Cathepsin Substrates Shed from the Surface of Cancer Cells. <i>Molecular and Cellular Proteomics</i> , 2015, 14, 2213-2228.	2.5	82
33	Perivascular M2 Macrophages Stimulate Tumor Relapse after Chemotherapy. <i>Cancer Research</i> , 2015, 75, 3479-3491.	0.4	375
34	Cysteine cathepsin proteases: regulators of cancer progression and therapeutic response. <i>Nature Reviews Cancer</i> , 2015, 15, 712-729.	12.8	481
35	Microenvironmental regulation of therapeutic response in cancer. <i>Trends in Cell Biology</i> , 2015, 25, 198-213.	3.6	604
36	Deficiency for the Cysteine Protease Cathepsin L Impairs Myc-Induced Tumorigenesis in a Mouse Model of Pancreatic Neuroendocrine Cancer. <i>PLoS ONE</i> , 2015, 10, e0120348.	1.1	13

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37	Therapeutic targeting of tumor-associated macrophages and microglia in glioblastoma. <i>Immunotherapy</i> , 2014, 6, 663-666.	1.0	37
38	Modified Vaccinia Virus Ankara Triggers Type I IFN Production in Murine Conventional Dendritic Cells via a cGAS/STING-Mediated Cytosolic DNA-Sensing Pathway. <i>PLoS Pathogens</i> , 2014, 10, e1003989.	2.1	148
39	Pericellular proteolysis in cancer. <i>Genes and Development</i> , 2014, 28, 2331-2347.	2.7	154
40	Distinct functions of macrophage-derived and cancer cell-derived cathepsin Z combine to promote tumor malignancy via interactions with the extracellular matrix. <i>Genes and Development</i> , 2014, 28, 2134-2150.	2.7	92
41	Analysis of tumour- and stroma-supplied proteolytic networks reveals a brain-metastasis-promoting role for Cathepsin S. <i>Nature Cell Biology</i> , 2014, 16, 876-888.	4.6	300
42	RAB7 Controls Melanoma Progression by Exploiting a Lineage-Specific Wiring of the Endolysosomal Pathway. <i>Cancer Cell</i> , 2014, 26, 61-76.	7.7	86
43	Microenvironmental regulation of tumor progression and metastasis. <i>Nature Medicine</i> , 2013, 19, 1423-1437.	15.2	5,730
44	CSF-1R inhibition alters macrophage polarization and blocks glioma progression. <i>Nature Medicine</i> , 2013, 19, 1264-1272.	15.2	1,812
45	Cathepsin-mediated Necrosis Controls the Adaptive Immune Response by Th2 (T helper type 2)-associated Adjuvants. <i>Journal of Biological Chemistry</i> , 2013, 288, 7481-7491.	1.6	66
46	Genetic and Pharmacological Targeting of CSF-1/CSF-1R Inhibits Tumor-Associated Macrophages and Impairs BRAF-Induced Thyroid Cancer Progression. <i>PLoS ONE</i> , 2013, 8, e54302.	1.1	119
47	Macrophages and cathepsin proteases blunt chemotherapeutic response in breast cancer. <i>Genes and Development</i> , 2011, 25, 2465-2479.	2.7	454
48	Microenvironmental regulation of metastasis. <i>Nature Reviews Cancer</i> , 2009, 9, 239-252.	12.8	3,157
49	Live Imaging of Cysteine-Cathepsin Activity Reveals Dynamics of Focal Inflammation, Angiogenesis, and Polyp Growth. <i>PLoS ONE</i> , 2008, 3, e2916.	1.1	94
50	Distinct roles for cysteine cathepsin genes in multistage tumorigenesis. <i>Genes and Development</i> , 2006, 20, 543-556.	2.7	475
51	Therapeutic targeting of the tumor microenvironment. <i>Cancer Cell</i> , 2005, 7, 513-520.	7.7	508