

N Murat Karabacak

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

3,446
citations

567281

15
h-index

794594

19
g-index

23
all docs

23
docs citations

23
times ranked

6919
citing authors

#	ARTICLE	IF	CITATIONS
1	Inertial Focusing for Tumor Antigen-Dependent and -Independent Sorting of Rare Circulating Tumor Cells. <i>Science Translational Medicine</i> , 2013, 5, 179ra47.	12.4	910
2	Microfluidic, marker-free isolation of circulating tumor cells from blood samples. <i>Nature Protocols</i> , 2014, 9, 694-710.	12.0	634
3	Wild-type and mutant SOD1 share an aberrant conformation and a common pathogenic pathway in ALS. <i>Nature Neuroscience</i> , 2010, 13, 1396-1403.	14.8	600
4	Stromal Microenvironment Shapes the Intratumoral Architecture of Pancreatic Cancer. <i>Cell</i> , 2019, 178, 160-175.e27.	28.9	367
5	Visualizing Engrafted Human Cancer and Therapy Responses in Immunodeficient Zebrafish. <i>Cell</i> , 2019, 177, 1903-1914.e14.	28.9	188
6	Monolithic Chip for High-throughput Blood Cell Depletion to Sort Rare Circulating Tumor Cells. <i>Scientific Reports</i> , 2017, 7, 10936.	3.3	134
7	Ultrahigh-throughput magnetic sorting of large blood volumes for epitope-agnostic isolation of circulating tumor cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 16839-16847.	7.1	101
8	Expression of β -globin by cancer cells promotes cell survival during blood-borne dissemination. <i>Nature Communications</i> , 2017, 8, 14344.	12.8	96
9	Stress-Induced Changes in Bone Marrow Stromal Cell Populations Revealed through Single-Cell Protein Expression Mapping. <i>Cell Stem Cell</i> , 2019, 25, 570-583.e7.	11.1	96
10	Sensitive and Specific Identification of Wild Type and Variant Proteins from 8 to 669 kDa Using Top-down Mass Spectrometry. <i>Molecular and Cellular Proteomics</i> , 2009, 8, 846-856.	3.8	83
11	Continuous Flow Microfluidic Bioparticle Concentrator. <i>Scientific Reports</i> , 2015, 5, 11300.	3.3	76
12	A Common Property of Amyotrophic Lateral Sclerosis-associated Variants. <i>Journal of Biological Chemistry</i> , 2009, 284, 30965-30973.	3.4	59
13	A Hierarchical Algorithm for Calculating the Isotopic Fine Structures of Molecules. <i>Journal of the American Society for Mass Spectrometry</i> , 2008, 19, 1867-1874.	2.8	25
14	The efficacy of HBOC-201 in ex situ gradual rewarming kidney perfusion in a rat model. <i>Artificial Organs</i> , 2020, 44, 81-90.	1.9	25
15	Split-Liver Ex Situ Machine Perfusion: A Novel Technique for Studying Organ Preservation and Therapeutic Interventions. <i>Journal of Clinical Medicine</i> , 2020, 9, 269.	2.4	16
16	Transformative effects of higher magnetic field in Fourier transform ion cyclotron resonance mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2010, 21, 1218-1222.	2.8	13
17	Memory-efficient calculation of the isotopic mass states of a molecule. <i>Rapid Communications in Mass Spectrometry</i> , 2010, 24, 2689-2696.	1.5	11
18	Abstract 2679: Induction of β -globin protects circulating tumor cells from oxidative stress during dissemination. <i>Cancer Research</i> , 2016, 76, 2679-2679.	0.9	7

#	ARTICLE	IF	CITATIONS
19	Stromal Microenvironment Shapes the Intratumoral Architecture of Pancreatic Cancer. SSRN Electronic Journal, 0, , .	0.4	2
20	Differential Kinase Activity Across Prostate Tumor Compartments Defines Sensitivity to Target Inhibition. Cancer Research, 2022, 82, 1084-1097.	0.9	2
21	Distinct Stress Responses of Bone Marrow Stromal Cell Subgroups Defined by Unbiased Single-Cell Mass-Cytometry Analysis. Blood, 2016, 128, 430-430.	1.4	1
22	Abstract 210: Uncovering a novel layer of complexity in the architecture of pancreatic cancer. , 2018, , .		0