

Oliver H Jonas

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

2,119
citations

567281

15
h-index

477307

29
g-index

37
all docs

37
docs citations

37
times ranked

4111
citing authors

#	ARTICLE	IF	CITATIONS
1	Potential role of intratumor bacteria in mediating tumor resistance to the chemotherapeutic drug gemcitabine. <i>Science</i> , 2017, 357, 1156-1160.	12.6	1,059
2	Direct evidence for cancer-cell-autonomous extracellular protein catabolism in pancreatic tumors. <i>Nature Medicine</i> , 2017, 23, 235-241.	30.7	263
3	Tumor Cell-Driven Extracellular Matrix Remodeling Drives Haptotaxis during Metastatic Progression. <i>Cancer Discovery</i> , 2016, 6, 516-531.	9.4	164
4	An implantable microdevice to perform high-throughput in vivo drug sensitivity testing in tumors. <i>Science Translational Medicine</i> , 2015, 7, 284ra57.	12.4	150
5	Microenvironment-Mediated Mechanisms of Resistance to HER2 Inhibitors Differ between HER2+ Breast Cancer Subtypes. <i>Cell Systems</i> , 2018, 6, 329-342.e6.	6.2	72
6	Invasive cancer cell lines exhibit biomechanical properties that are distinct from their noninvasive counterparts. <i>Soft Matter</i> , 2011, 7, 11488.	2.7	50
7	Integrated genetic and pharmacologic interrogation of rare cancers. <i>Nature Communications</i> , 2016, 7, 11987.	12.8	45
8	Tyrosine Kinase Inhibitors Increase MCL1 Degradation and in Combination with BCLXL/BCL2 Inhibitors Drive Prostate Cancer Apoptosis. <i>Clinical Cancer Research</i> , 2018, 24, 5458-5470.	7.0	43
9	First <i>In Vivo</i> Testing of Compounds Targeting Group 3 Medulloblastomas Using an Implantable Microdevice as a New Paradigm for Drug Development. <i>Journal of Biomedical Nanotechnology</i> , 2016, 12, 1297-1302.	1.1	36
10	Genome-Wide Interrogation of Human Cancers Identifies EGLN1 Dependency in Clear Cell Ovarian Cancers. <i>Cancer Research</i> , 2019, 79, 2564-2579.	0.9	32
11	MENA Confers Resistance to Paclitaxel in Triple-Negative Breast Cancer. <i>Molecular Cancer Therapeutics</i> , 2017, 16, 143-155.	4.1	31
12	REV1 inhibitor JH-RE-06 enhances tumor cell response to chemotherapy by triggering senescence hallmarks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 28918-28921.	7.1	27
13	VISAGE Reveals a Targetable Mitotic Spindle Vulnerability in Cancer Cells. <i>Cell Systems</i> , 2019, 9, 74-92.e8.	6.2	24
14	Surface characterization and investigation on antibacterial activity of CuZn nanofibers prepared by electrospinning. <i>Applied Surface Science</i> , 2020, 508, 144883.	6.1	21
15	A multiplex implantable microdevice assay identifies synergistic combinations of cancer immunotherapies and conventional drugs. <i>Nature Biotechnology</i> , 2022, 40, 1823-1833.	17.5	17
16	Parallel <i>In Vivo</i> Assessment of Drug Phenotypes at Various Time Points during Systemic BRAF Inhibition Reveals Tumor Adaptation and Altered Treatment Vulnerabilities. <i>Clinical Cancer Research</i> , 2016, 22, 6031-6038.	7.0	16
17	Development of a novel probe for measuring drug binding to the F1*S variant of human alpha 1-acid glycoprotein. <i>Journal of Pharmaceutical Sciences</i> , 2001, 90, 1407-1423.	3.3	13
18	<i>In vivo</i> detection of drug-induced apoptosis in tumors using Raman spectroscopy. <i>Analyst</i> , The, 2018, 143, 4836-4839.	3.5	11

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19	The Translational and Regulatory Development of an Implantable Microdevice for Multiple Drug Sensitivity Measurements in Cancer Patients. <i>IEEE Transactions on Biomedical Engineering</i> , 2022, 69, 412-421.	4.2	9
20	A Miniaturized Platform for Multiplexed Drug Response Imaging in Live Tumors. <i>Cancers</i> , 2021, 13, 653.	3.7	9
21	An Interactive Pipeline for Quantitative Histopathological Analysis of Spatially Defined Drug Effects in Tumors. <i>Journal of Pathology Informatics</i> , 2021, 12, 34.	1.7	6
22	An interventional image-guided microdevice implantation and retrieval method for <i>in vivo</i> drug response assessment. <i>Medical Physics</i> , 2019, 46, 5134-5143.	3.0	5
23	A Two-Photon Microimaging-Microdevice System for Four-Dimensional Imaging of Local Drug Delivery in Tissues. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11752.	4.1	5
24	Long-GRIN-Lens Microendoscopy Enabled by Wavefront Shaping for a Biomedical Microdevice: An Analytical Investigation. <i>Materials</i> , 2021, 14, 3392.	2.9	4
25	Preparation and sterilization of an implantable drug-delivery microdevice for clinical use. <i>MethodsX</i> , 2021, 8, 101382.	1.6	2
26	Ultrastructure of immunogenic cell death in vivo. <i>Microscopy and Microanalysis</i> , 2021, 27, 1390-1391.	0.4	1
27	Pilot trial of an implantable microdevice for In Vivo drug sensitivity testing in patients with early stage, triple negative breast cancer receiving neoadjuvant therapy.. <i>Journal of Clinical Oncology</i> , 2016, 34, TPS1101-TPS1101.	1.6	1
28	Intratarget Microdosing for Deep Phenotyping of Multiple Drug Effects in the Live Brain. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 855755.	4.1	1
29	Machine-learning aided in situ drug sensitivity screening predicts treatment outcomes in ovarian PDX tumors. <i>Translational Oncology</i> , 2022, 21, 101427.	3.7	1
30	Self-Expanding Anchors for Stabilizing Percutaneously Implanted Microdevices in Biological Tissues. <i>Micromachines</i> , 2021, 12, 404.	2.9	0
31	CLRM-05. DRUG-RELEASING MICRODEVICES TO PREDICT RESPONSES TO TARGETED THERAPIES IN PATIENTS WITH GLIOMAS. <i>Neuro-Oncology Advances</i> , 2021, 3, iv2-iv2.	0.7	0
32	555...A high-throughput in situ screen to identify synergistic combinations of immune-oncology drugs with targeted and cytotoxic agents in a patient-derived humanized mouse model of renal cancer. , 2021, 9, A585-A585.		0
33	Abstract P5-13-05: Multiplex spatial systems analysis of responses to spatially separate nanoliter doses of drug predicts systemic immune-modulating combination treatments in breast cancer. <i>Cancer Research</i> , 2022, 82, P5-13-05-P5-13-05.	0.9	0
34	Abstract 4196: A controlled drug release device facilitates the identification of favorable combinations of immune-oncology drugs with targeted or cytotoxic drugs in a patient-derived humanized mouse model of renal cancer. <i>Cancer Research</i> , 2022, 82, 4196-4196.	0.9	0