

Rainer H Kohler

List of Publications by Year in descending order

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42
papers

4,952
citations

201385

27
h-index

253896

43
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43
all docs

43
docs citations

43
times ranked

8594
citing authors

#	ARTICLE	IF	CITATIONS
1	TLR7/8-agonist-loaded nanoparticles promote the polarization of tumour-associated macrophages to enhance cancer immunotherapy. <i>Nature Biomedical Engineering</i> , 2018, 2, 578-588.	11.6	714
2	Successful Anti-PD-1 Cancer Immunotherapy Requires T Cell-Dendritic Cell Crosstalk Involving the Cytokines IFN- β and IL-12. <i>Immunity</i> , 2018, 49, 1148-1161.e7.	6.6	639
3	In vivo imaging reveals a tumor-associated macrophage-mediated resistance pathway in anti-PD-1 therapy. <i>Science Translational Medicine</i> , 2017, 9, .	5.8	466
4	IRF3 and type I interferons fuel a fatal response to myocardial infarction. <i>Nature Medicine</i> , 2017, 23, 1481-1487.	15.2	358
5	Tumour-associated macrophages act as a slow-release reservoir of nano-therapeutic Pt(IV) pro-drug. <i>Nature Communications</i> , 2015, 6, 8692.	5.8	353
6	Predicting therapeutic nanomedicine efficacy using a companion magnetic resonance imaging nanoparticle. <i>Science Translational Medicine</i> , 2015, 7, 314ra183.	5.8	273
7	Nano-palladium is a cellular catalyst for in vivo chemistry. <i>Nature Communications</i> , 2017, 8, 15906.	5.8	210
8	Arg1 expression defines immunosuppressive subsets of tumor-associated macrophages. <i>Theranostics</i> , 2018, 8, 5842-5854.	4.6	203
9	Radiation therapy primes tumors for nanotherapeutic delivery via macrophage-mediated vascular bursts. <i>Science Translational Medicine</i> , 2017, 9, .	5.8	178
10	Single-cell and subcellular pharmacokinetic imaging allows insight into drug action in vivo. <i>Nature Communications</i> , 2013, 4, 1504.	5.8	172
11	Analysis of Mitosis and Antimitotic Drug Responses in Tumors by <i>In Vivo</i> Microscopy and Single-Cell Pharmacodynamics. <i>Cancer Research</i> , 2011, 71, 4608-4616.	0.4	146
12	Quantitative Imaging of Tumor-Associated Macrophages and Their Response to Therapy Using ⁶⁴ Cu-Labeled Macrin. <i>ACS Nano</i> , 2018, 12, 12015-12029.	7.3	117
13	Population dynamics of islet-infiltrating cells in autoimmune diabetes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 1511-1516.	3.3	89
14	In vivo cell-cycle profiling in xenograft tumors by quantitative intravital microscopy. <i>Nature Methods</i> , 2015, 12, 577-585.	9.0	75
15	Modular Nanoparticulate Prodrug Design Enables Efficient Treatment of Solid Tumors Using Bioorthogonal Activation. <i>ACS Nano</i> , 2018, 12, 12814-12826.	7.3	72
16	Single-cell pharmacokinetic imaging reveals a therapeutic strategy to overcome drug resistance to the microtubule inhibitor eribulin. <i>Science Translational Medicine</i> , 2014, 6, 261ra152.	5.8	71
17	Receptor-Driven ERK Pulses Reconfigure MAPK Signaling and Enable Persistence of Drug-Adapted BRAF-Mutant Melanoma Cells. <i>Cell Systems</i> , 2020, 11, 478-494.e9.	2.9	71
18	Brain motor and fear circuits regulate leukocytes during acute stress. <i>Nature</i> , 2022, 607, 578-584.	13.7	69

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19	Imaging the emergence and natural progression of spontaneous autoimmune diabetes. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E7776-E7785.	3.3	64
20	Therapeutically reprogrammed nutrient signalling enhances nanoparticulate albumin bound drug uptake and efficacy in KRAS-mutant cancer. Nature Nanotechnology, 2021, 16, 830-839.	15.6	55
21	Platinum Compounds for High-Resolution In Vivo Cancer Imaging. ChemMedChem, 2014, 9, 1131-1135.	1.6	49
22	Resident Kupffer cells and neutrophils drive liver toxicity in cancer immunotherapy. Science Immunology, 2021, 6, .	5.6	47
23	Optimized Near-IR Fluorescent Agents for in Vivo Imaging of Btk Expression. Bioconjugate Chemistry, 2015, 26, 1513-1518.	1.8	46
24	Single cell resolution in vivo imaging of DNA damage following PARP inhibition. Scientific Reports, 2015, 5, 10129.	1.6	45
25	Spatiotemporal multiplexed immunofluorescence imaging of living cells and tissues with bioorthogonal cycling of fluorescent probes. Nature Biotechnology, 2022, 40, 1654-1662.	9.4	42
26	Single cell imaging of Bruton's Tyrosine Kinase using an irreversible inhibitor. Scientific Reports, 2014, 4, 4782.	1.6	37
27	A Supramolecular Nanocarrier for Delivery of Amiodarone Anti-Arrhythmic Therapy to the Heart. Bioconjugate Chemistry, 2019, 30, 733-740.	1.8	24
28	Efficient blockade of locally reciprocated tumor-macrophage signaling using a TAM-avid nanotherapy. Science Advances, 2020, 6, eaaz8521.	4.7	22
29	Near infrared imaging of Mer tyrosine kinase (<i>MERTK</i>) using MERi-SiR reveals tumor associated macrophage uptake in metastatic disease. Chemical Communications, 2018, 54, 42-45.	2.2	21
30	Detecting Immune Response to Therapies Targeting PDL1 and BRAF by Using Ferumoxytol MRI and Macrin in Anaplastic Thyroid Cancer. Radiology, 2021, 298, 123-132.	3.6	19
31	LTX-315 sequentially promotes lymphocyte-independent and lymphocyte-dependent antitumor effects. Cell Stress, 2019, 3, 348-360.	1.4	19
32	Macrophage-Targeted Therapy Unlocks Antitumoral Cross-talk between IFN γ -Secreting Lymphocytes and IL12-Producing Dendritic Cells. Cancer Immunology Research, 2022, 10, 40-55.	1.6	18
33	In vivo microscopy reveals macrophage polarization locally promotes coherent microtubule dynamics in migrating cancer cells. Nature Communications, 2020, 11, 3521.	5.8	17
34	Design and Development of Fluorescent Vemurafenib Analogs for In Vivo Imaging. Theranostics, 2017, 7, 1257-1265.	4.6	16
35	Myeloid Cell-Targeted Nanocarriers Efficiently Inhibit Cellular Inhibitor of Apoptosis for Cancer Immunotherapy. Cell Chemical Biology, 2020, 27, 94-104.e5.	2.5	16
36	A photoactivatable drug-caged fluorophore conjugate allows direct quantification of intracellular drug transport. Chemical Communications, 2013, 49, 11050.	2.2	14

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37	In Vivo Click Chemistry Enables Multiplexed Intravital Microscopy. <i>Advanced Science</i> , 2022, 9, .	5.6	14
38	Fluorescent vinblastine probes for live cell imaging. <i>Chemical Communications</i> , 2016, 52, 9953-9956.	2.2	10
39	Imaging of Tie2 with a Fluorescently Labeled Small Molecule Affinity Ligand. <i>ACS Chemical Biology</i> , 2020, 15, 151-157.	1.6	6
40	Overcoming differential tumor penetration of BRAF inhibitors using computationally guided combination therapy. <i>Science Advances</i> , 2022, 8, eabl6339.	4.7	6
41	Small Molecule Imaging Agent for Mutant KRAS G12C. <i>Advanced Therapeutics</i> , 2021, 4, 2000290.	1.6	3
42	Macrophage calcium reporter mice reveal immune cell communication inÂvitro and inÂvivo. <i>Cell Reports Methods</i> , 2021, 1, 100132.	1.4	2