Rainer H Kohler

List of Publications by Year
in descending order

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42 papers	4,952 citations	201575 27 h-index	254106 43 g-index
43 all docs	43 docs citations	43 times ranked	8594 citing authors

#	Article	IF	Citations
1	Macrophage-Targeted Therapy Unlocks Antitumoral Cross-talk between IFNÎ³-Secreting Lymphocytes and IL12-Producing Dendritic Cells. Cancer Immunology Research, 2022, 10, 40-55.	1.6	18
2	Overcoming differential tumor penetration of BRAF inhibitors using computationally guided combination therapy. Science Advances, 2022, 8, eabl6339.	4.7	6
3	Brain motor and fear circuits regulate leukocytes during acute stress. Nature, 2022, 607, 578-584.	13.7	69
4	Spatiotemporal multiplexed immunofluorescence imaging of living cells and tissues with bioorthogonal cycling of fluorescent probes. Nature Biotechnology, 2022, 40, 1654-1662.	9.4	42
5	In Vivo Click Chemistry Enables Multiplexed Intravital Microscopy. Advanced Science, 2022, 9, .	5.6	14
6	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
7	Small Molecule Imaging Agent for Mutant KRAS G12C. Advanced Therapeutics, 2021, 4, 2000290.	1.6	3
8	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
9	Resident Kupffer cells and neutrophils drive liver toxicity in cancer immunotherapy. Science Immunology, 2021, 6, .	5.6	47
10	Macrophage calcium reporter mice reveal immune cell communication inÂvitro and inÂvivo. Cell Reports Methods, 2021, 1, 100132.	1.4	2
11	Myeloid Cell-Targeted Nanocarriers Efficiently Inhibit Cellular Inhibitor of Apoptosis for Cancer Immunotherapy. Cell Chemical Biology, 2020, 27, 94-104.e5.	2.5	16
12	Imaging of Tie2 with a Fluorescently Labeled Small Molecule Affinity Ligand. ACS Chemical Biology, 2020, 15, 151-157.	1.6	6
13	In vivo microscopy reveals macrophage polarization locally promotes coherent microtubule dynamics in migrating cancer cells. Nature Communications, 2020, 11, 3521.	5.8	17
14	Receptor-Driven ERK Pulses Reconfigure MAPK Signaling and Enable Persistence of Drug-Adapted BRAF-Mutant Melanoma Cells. Cell Systems, 2020, 11, 478-494.e9.	2.9	71
15	Efficient blockade of locally reciprocated tumor-macrophage signaling using a TAM-avid nanotherapy. Science Advances, 2020, 6, eaaz8521.	4.7	22
16	A Supramolecular Nanocarrier for Delivery of Amiodarone Anti-Arrhythmic Therapy to the Heart. Bioconjugate Chemistry, 2019, 30, 733-740.	1.8	24
17	LTX-315 sequentially promotes lymphocyte-independent and lymphocyte-dependent antitumor effects. Cell Stress, 2019, 3, 348-360.	1.4	19
18	Near infrared imaging of Mer tyrosine kinase (MERTK) using MERi-SiR reveals tumor associated macrophage uptake in metastatic disease. Chemical Communications, 2018, 54, 42-45.	2.2	21

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19	Arg1 expression defines immunosuppressive subsets of tumor-associated macrophages. Theranostics, 2018, 8, 5842-5854.	4.6	203
20	Modular Nanoparticulate Prodrug Design Enables Efficient Treatment of Solid Tumors Using Bioorthogonal Activation. ACS Nano, 2018, 12, 12814-12826.	7.3	72
21	Quantitative Imaging of Tumor-Associated Macrophages and Their Response to Therapy Using ⁶⁴Cu-Labeled Macrin. ACS Nano, 2018, 12, 12015-12029.	7.3	117
22	Successful Anti-PD-1 Cancer Immunotherapy Requires T Cell-Dendritic Cell Crosstalk Involving the Cytokines IFN-Î³ and IL-12. Immunity, 2018, 49, 1148-1161.e7.	6.6	639
23	TLR7/8-agonist-loaded nanoparticles promote the polarization of tumour-associated macrophages to enhance cancer immunotherapy. Nature Biomedical Engineering, 2018, 2, 578-588.	11.6	714
24	In vivo imaging reveals a tumor-associated macrophageâ€“mediated resistance pathway in antiâ€“PD-1 therapy. Science Translational Medicine, 2017, 9, .	5.8	466
25	Radiation therapy primes tumors for nanotherapeutic delivery via macrophage-mediated vascular bursts. Science Translational Medicine, 2017, 9, .	5.8	178
26	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
27	IRF3 and type I interferons fuel a fatal response to myocardial infarction. Nature Medicine, 2017, 23, 1481-1487.	15.2	358
28	Nano-palladium is a cellular catalyst for in vivo chemistry. Nature Communications, 2017, 8, 15906.	5.8	210
29	Design and Development of Fluorescent Vemurafenib Analogs for In Vivo Imaging. Theranostics, 2017, 7, 1257-1265.	4.6	16
30	Fluorescent vinblastine probes for live cell imaging. Chemical Communications, 2016, 52, 9953-9956.	2.2	10
31	Single cell resolution in vivo imaging of DNA damage following PARP inhibition. Scientific Reports, 2015, 5, 10129.	1.6	45
32	Optimized Near-IR Fluorescent Agents for in Vivo Imaging of Btk Expression. Bioconjugate Chemistry, 2015, 26, 1513-1518.	1.8	46
33	Population dynamics of islet-infiltrating cells in autoimmune diabetes. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 1511-1516.	3.3	89
34	In vivo cell-cycle profiling in xenograft tumors by quantitative intravital microscopy. Nature Methods, 2015, 12, 577-585.	9.0	75
35	Tumour-associated macrophages act as a slow-release reservoir of nano-therapeutic Pt(IV) pro-drug. Nature Communications, 2015, 6, 8692.	5.8	353
36	Predicting therapeutic nanomedicine efficacy using a companion magnetic resonance imaging nanoparticle. Science Translational Medicine, 2015, 7, 314ra183.	5.8	273

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37	Platinum Compounds for Highâ€Resolution In Vivo Cancer Imaging. ChemMedChem, 2014, 9, 1131-1135.	1.6	49
38	Single-cell pharmacokinetic imaging reveals a therapeutic strategy to overcome drug resistance to the microtubule inhibitor eribulin. Science Translational Medicine, 2014, 6, 261ra152.	5.8	71
39	Single cell imaging of Bruton's Tyrosine Kinase using an irreversible inhibitor. Scientific Reports, 2014, 4, 4782.	1.6	37
40	Single-cell and subcellular pharmacokinetic imaging allows insight into drug action in vivo. Nature Communications, 2013, 4, 1504.	5.8	172
41	A photoactivatable drugâ€“caged fluorophore conjugate allows direct quantification of intracellular drug transport. Chemical Communications, 2013, 49, 11050.	2.2	14
42	Analysis of Mitosis and Antimitotic Drug Responses in Tumors by In Vivo Microscopy and Single-Cell Pharmacodynamics. Cancer Research, 2011, 71, 4608-4616.	0.4	146