

Ruud P M Dings

List of Publications by Year in descending order

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Version: 2024-02-01

72
papers

4,209
citations

117625

34
h-index

110387

64
g-index

75
all docs

75
docs citations

75
times ranked

5950
citing authors

#	ARTICLE	IF	CITATIONS
1	Consensus guidelines for the use and interpretation of angiogenesis assays. <i>Angiogenesis</i> , 2018, 21, 425-532.	7.2	429
2	Galectin-1 is essential in tumor angiogenesis and is a target for antiangiogenesis therapy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 15975-15980.	7.1	424
3	Scheduling of Radiation with Angiogenesis Inhibitors Anginex and Avastin Improves Therapeutic Outcome via Vessel Normalization. <i>Clinical Cancer Research</i> , 2007, 13, 3395-3402.	7.0	270
4	Anti-angiogenesis therapy can overcome endothelial cell anergy and promote leukocyte-endothelium interactions and infiltration in tumors. <i>FASEB Journal</i> , 2006, 20, 621-630.	0.5	237
5	Metformin kills and radiosensitizes cancer cells and preferentially kills cancer stem cells. <i>Scientific Reports</i> , 2012, 2, 362.	3.3	233
6	Gene expression of tumor angiogenesis dissected: specific targeting of colon cancer angiogenic vasculature. <i>Blood</i> , 2006, 108, 2339-2348.	1.4	226
7	Epigenetic Regulation of Tumor Endothelial Cell Anergy: Silencing of Intercellular Adhesion Molecule-1 by Histone Modifications. <i>Cancer Research</i> , 2006, 66, 10770-10777.	0.9	139
8	Antitumor Agent Calixarene O118 Targets Human Galectin-1 as an Allosteric Inhibitor of Carbohydrate Binding. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 5121-5129.	6.4	113
9	Design of Nonpeptidic Topomimetics of Antiangiogenic Proteins With Antitumor Activities. <i>Journal of the National Cancer Institute</i> , 2006, 98, 932-936.	6.3	102
10	The designer antiangiogenic peptide anginex targets tumor endothelial cells and inhibits tumor growth in animal models. <i>FASEB Journal</i> , 2002, 16, 1991-1993.	0.5	96
11	The designed angiostatic peptide anginex synergistically improves chemotherapy and antiangiogenesis therapy with angiostatin. <i>Cancer Research</i> , 2003, 63, 382-5.	0.9	85
12	Galectins as Molecular Targets for Therapeutic Intervention. <i>International Journal of Molecular Sciences</i> , 2018, 19, 905.	4.1	83
13	Anginex synergizes with radiation therapy to inhibit tumor growth by radiosensitizing endothelial cells. <i>International Journal of Cancer</i> , 2005, 115, 312-319.	5.1	81
14	Glutaminase inhibitor CB-839 increases radiation sensitivity of lung tumor cells and human lung tumor xenografts in mice. <i>International Journal of Radiation Biology</i> , 2019, 95, 436-442.	1.8	77
15	Angiogenesis gene expression profiling in xenograft models to study cellular interactions. <i>Experimental Cell Research</i> , 2004, 299, 286-293.	2.6	76
16	Anti-tumor activity of the novel angiogenesis inhibitor anginex. <i>Cancer Letters</i> , 2003, 194, 55-66.	7.2	65
17	Mild temperature hyperthermia and radiation therapy: Role of tumour vascular thermotolerance and relevant physiological factors. <i>International Journal of Hyperthermia</i> , 2010, 26, 256-263.	2.5	65
18	Hypoxia-derived exosomes induce putative altered pathways in biosynthesis and ion regulatory channels in glioblastoma cells. <i>Biochemistry and Biophysics Reports</i> , 2018, 14, 104-113.	1.3	65

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19	Enhancement of T-cell-Mediated Antitumor Response: Angiostatic Adjuvant to Immunotherapy against Cancer. <i>Clinical Cancer Research</i> , 2011, 17, 3134-3145.	7.0	64
20	Design of a Partial Peptide Mimetic of Anginex with Antiangiogenic and Anticancer Activity. <i>Journal of Biological Chemistry</i> , 2003, 278, 45746-45752.	3.4	62
21	Tumor angiogenesis factors reduce leukocyte adhesion in vivo. <i>International Immunology</i> , 2000, 12, 671-676.	4.0	61
22	Topomimetics of Amphipathic β -Sheet and Helix-Forming Bactericidal Peptides Neutralize Lipopolysaccharide Endotoxins. <i>Journal of Medicinal Chemistry</i> , 2006, 49, 7754-7765.	6.4	56
23	Microbeam Radiation Therapy Alters Vascular Architecture and Tumor Oxygenation and is Enhanced by a Galectin-1 Targeted Anti-Angiogenic Peptide. <i>Radiation Research</i> , 2012, 177, 804-812.	1.5	54
24	Carboplatin selectively induces the VEGF stress response in endothelial cells: Potentiation of antitumor activity by combination treatment with antibody to VEGF. <i>International Journal of Cancer</i> , 2004, 110, 343-351.	5.1	53
25	Label-Free Raman Spectroscopy Reveals Signatures of Radiation Resistance in the Tumor Microenvironment. <i>Cancer Research</i> , 2019, 79, 2054-2064.	0.9	53
26	Combination of Gold Nanoparticle-Conjugated Tumor Necrosis Factor- α and Radiation Therapy Results in a Synergistic Antitumor Response in Murine Carcinoma Models. <i>International Journal of Radiation Oncology Biology Physics</i> , 2015, 93, 588-596.	0.8	52
27	β -Sheet is the bioactive conformation of the anti-angiogenic anginex peptide. <i>Biochemical Journal</i> , 2003, 373, 281-288.	3.7	51
28	Ovarian tumor growth regression using a combination of vascular targeting agents anginex or topomimetic O118 and the chemotherapeutic irifolven. <i>Cancer Letters</i> , 2008, 265, 270-280.	7.2	48
29	Polycationic calixarene PTX013, a potent cytotoxic agent against tumors and drug resistant cancer. <i>Investigational New Drugs</i> , 2013, 31, 1142-1150.	2.6	44
30	Dietary lariciresinol attenuates mammary tumor growth and reduces blood vessel density in human MCF7 breast cancer xenografts and carcinogen-induced mammary tumors in rats. <i>International Journal of Cancer</i> , 2008, 123, 1196-1204.	5.1	42
31	Inhibiting Tumor Growth by Targeting Tumor Vasculature with Galectin-1 Antagonist Anginex Conjugated to the Cytotoxic Acylfulvene, 6-Hydroxylpropylacylfulvene. <i>Bioconjugate Chemistry</i> , 2010, 21, 20-27.	3.6	40
32	A Journey in Structure-Based Drug Discovery: From Designed Peptides to Protein Surface Topomimetics as Antibiotic and Antiangiogenic Agents. <i>Accounts of Chemical Research</i> , 2007, 40, 1057-1065.	15.6	39
33	Novel analogs of antitumor agent calixarene O118: Synthesis, cytotoxicity, click labeling with 2-[^{18}F]fluoroethylazide, and in vivo evaluation. <i>European Journal of Medicinal Chemistry</i> , 2015, 89, 279-295.	5.5	38
34	Galectin-1 Inhibitor OTX008 Induces Tumor Vessel Normalization and Tumor Growth Inhibition in Human Head and Neck Squamous Cell Carcinoma Models. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2671.	4.1	37
35	Modulation of Angiogenic Phenotype Alters Tumorigenicity in Rat Ovarian Epithelial Cells. <i>Cancer Research</i> , 2007, 67, 3683-3690.	0.9	36
36	Structure-Based Optimization of Angiostatic Agent 6DBF7, an Allosteric Antagonist of Galectin-1. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2013, 344, 589-599.	2.5	36

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37	Triple-negative breast cancer targeting and killing by EpCAM-directed, plasmonically active nanodrug systems. <i>Npj Precision Oncology</i> , 2017, 1, 27.	5.4	34
38	Antiangiogenesis therapy using a novel angiogenesis inhibitor, anginex, following radiation causes tumor growth delay. <i>International Journal of Clinical Oncology</i> , 2007, 12, 42-47.	2.2	33
39	Evidence for Early Stage Anti-Tumor Immunity Elicited by Spatially Fractionated Radiotherapy-Immunotherapy Combinations. <i>Radiation Research</i> , 2020, 194, 688-697.	1.5	29
40	Anti-angiogenesis and anti-tumor activity of recombinant anginex. <i>Biochemical and Biophysical Research Communications</i> , 2006, 349, 1073-1078.	2.1	28
41	Cloning an artificial gene encoding angiostatic anginex: From designed peptide to functional recombinant protein. <i>Biochemical and Biophysical Research Communications</i> , 2005, 333, 1261-1268.	2.1	25
42	Modifying Dendritic Cell Activation with Plasmonic Nano Vectors. <i>Scientific Reports</i> , 2017, 7, 5513.	3.3	25
43	Tumour thermotolerance, a physiological phenomenon involving vessel normalisation. <i>International Journal of Hyperthermia</i> , 2011, 27, 42-52.	2.5	24
44	Discovery and development of anti-angiogenic peptides: A structural link. <i>Angiogenesis</i> , 2003, 6, 83-91.	7.2	23
45	Sample storage conditions induce post-collection biases in microbiome profiles. <i>BMC Microbiology</i> , 2018, 18, 227.	3.3	23
46	Gastrointestinal Tract Dysbiosis Enhances Distal Tumor Progression through Suppression of Leukocyte Trafficking. <i>Cancer Research</i> , 2019, 79, 5999-6009.	0.9	21
47	Optical imaging of radiation-induced metabolic changes in radiation-sensitive and resistant cancer cells. <i>Journal of Biomedical Optics</i> , 2017, 22, 060502.	2.6	19
48	Real-time monitoring of circulating tumor cell (CTC) release after nanodrug or tumor radiotherapy using in vivo flow cytometry. <i>Biochemical and Biophysical Research Communications</i> , 2017, 492, 507-512.	2.1	18
49	A Radiosensitizing Inhibitor of HIF-1 alters the Optical Redox State of Human Lung Cancer Cells In Vitro. <i>Scientific Reports</i> , 2018, 8, 8815.	3.3	18
50	Galectin-1-based tumour-targeting for gold nanostructure-mediated photothermal therapy. <i>International Journal of Hyperthermia</i> , 2018, 34, 19-29.	2.5	16
51	Understanding Galectin Structure-Function Relationships to Design Effective Antagonists. , 0, , 33-69.		15
52	Targeting Artificial Tumor Stromal Targets for Molecular Imaging of Tumor Vascular Hypoxia. <i>PLoS ONE</i> , 2015, 10, e0135607.	2.5	15
53	Quantitative diffuse reflectance spectroscopy of short-term changes in tumor oxygenation after radiation in a matched model of radiation resistance. <i>Biomedical Optics Express</i> , 2018, 9, 3794.	2.9	15
54	Design of Gold Nanoparticles in Dendritic Cell-Based Vaccines. <i>Particle and Particle Systems Characterization</i> , 2018, 35, 1800109.	2.3	13

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55	VEGF β DT385 Toxin Conjugate Inhibits Mammary Adenocarcinoma Development in a Transgenic Mouse Model of Spontaneous Tumorigenesis. <i>Breast Cancer Research and Treatment</i> , 2004, 85, 161-171.	2.5	11
56	Enhanced Photothermal Treatment Efficacy and Normal Tissue Protection via Vascular Targeted Gold Nanocages. <i>Nanotheranostics</i> , 2019, 3, 145-155.	5.2	10
57	Rapid quantification of mitochondrial fractal dimension in individual cells. <i>Biomedical Optics Express</i> , 2018, 9, 5269.	2.9	9
58	Probing structure β activity relationships in bactericidal peptide β pep-25. <i>Biochemical Journal</i> , 2008, 414, 143-150.	3.7	8
59	Bacterial membrane disrupting dodecapeptide SC4 improves survival of mice challenged with <i>Pseudomonas aeruginosa</i> . <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013, 1830, 3454-3457.	2.4	8
60	Spectroscopic investigation of radiation-induced reoxygenation in radiation-resistant tumors. <i>Neoplasia</i> , 2021, 23, 49-57.	5.3	7
61	Synthesis of [¹⁸ F]anginex with high specific activity [¹⁸ F]fluorobenzaldehyde for targeting angiogenic activity in solid tumors. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2011, 54, 708-713.	1.0	3
62	Dysbiotic stress increases the sensitivity of the tumor vasculature to radiotherapy and c-Met inhibitors. <i>Angiogenesis</i> , 2021, 24, 597-611.	7.2	3
63	Nanoscale investigation and control of photothermal action of gold nanostructure-coated surfaces. <i>Journal of Materials Science</i> , 2021, 56, 10249-10263.	3.7	3
64	Gold nanorods enhance different immune cells and allow for efficient targeting of CD4+ Foxp3+ Tregulatory cells. <i>PLoS ONE</i> , 2021, 16, e0241882.	2.5	3
65	Dendritic cell biocompatibility of ether β based urethane films. <i>Journal of Applied Toxicology</i> , 2021, 41, 1456-1466.	2.8	2
66	Simulating cellular galectin networks by mixing galectins in vitro reveals synergistic activity. <i>Biochemistry and Biophysics Reports</i> , 2021, 28, 101116.	1.3	2
67	Non-Peptidic Mimetics as Cancer-Sensitizing Agents. , 2008, , 305-325.		1
68	Determining the Sensitivity of Diffuse Reflectance Spectroscopy to Dose- and Depth-Dependent Changes in Tumor Oxygenation after Radiation Therapy. , 2017, , .		1
69	Informa-Yamamoto Editorial Award Winners 2011. <i>International Journal of Hyperthermia</i> , 2012, 28, 419-420.	2.5	0
70	Optical imaging and spectroscopy of microenvironmental changes associated with radiation resistance in tumors. <i>Proceedings of SPIE</i> , 2017, , .	0.8	0
71	Quantitative Diffuse Optical Spectroscopy of Short-term Reoxygenation Kinetics in Radiation-Resistant and Sensitive Tumors. , 2017, , .		0
72	Further rationale for optimal combined modality treatments. <i>Oncotarget</i> , 2017, 8, 25831-25832.	1.8	0