

# Martin R Berger

## List of Publications by Year in descending order

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92  
papers

2,208  
citations

185998

28  
h-index

276539

41  
g-index

93  
all docs

93  
docs citations

93  
times ranked

2494  
citing authors

#	ARTICLE	IF	CITATIONS
1	BCR-ABL influences the antileukaemic efficacy of alkylphosphocholines. <i>British Journal of Haematology</i> , 1999, 107, 365-374.	1.2	140
2	Cilengitide inhibits progression of experimental breast cancer bone metastases as imaged noninvasively using VCT, MRI and DCE-MRI in a longitudinal <i>in vivo</i> study. <i>International Journal of Cancer</i> , 2011, 128, 2453-2462.	2.3	78
3	Downregulation of osteopontin and bone sialoprotein II is related to reduced colony formation and metastasis formation of MDA-MB-231 human breast cancer cells. <i>Cancer Gene Therapy</i> , 2004, 11, 109-120.	2.2	67
4	Characterization of a rat model with site-specific bone metastasis induced by MDA-MB-231 breast cancer cells and its application to the effects of an antibody against bone sialoprotein. <i>International Journal of Cancer</i> , 2005, 115, 177-186.	2.3	65
5	Erufosine simultaneously induces apoptosis and autophagy by modulating the Akt-mTOR signaling pathway in oral squamous cell carcinoma. <i>Cancer Letters</i> , 2012, 319, 39-48.	3.2	59
6	Imaging anti-angiogenic treatment response with DCE-VCT, DCE-MRI and DWI in an animal model of breast cancer bone metastasis. <i>European Journal of Radiology</i> , 2010, 73, 280-287.	1.2	57
7	Identification of potent anticancer activity in <i>Ximenia americana</i> aqueous extracts used by African traditional medicine. <i>Toxicology and Applied Pharmacology</i> , 2006, 211, 177-187.	1.3	54
8	Alkylphosphocholines: influence of structural variation on biodistribution at antineoplastically active concentrations. <i>Cancer Chemotherapy and Pharmacology</i> , 1992, 30, 105-112.	1.1	52
9	Bevacizumab Inhibits Breast Cancer-Induced Osteolysis, Surrounding Soft Tissue Metastasis, and Angiogenesis in Rats as Visualized by VCT and MRI. <i>Neoplasia</i> , 2008, 10, 511-520.	2.3	51
10	The insulin-like growth factor binding proteins 3 and 7 are associated with colorectal cancer and liver metastasis. <i>Cancer Biology and Therapy</i> , 2011, 12, 69-79.	1.5	51
11	Detection of Isolated Tumor Cells by Polymerase Chain Reaction-Restriction Fragment Length Polymorphism for K-ras Mutations in Tissue Samples of 199 Colorectal Cancer Patients. <i>Clinical Cancer Research</i> , 2004, 10, 641-650.	3.2	50
12	Assessment of antineoplastic agents by MTT assay: partial underestimation of antiproliferative properties. <i>Cancer Chemotherapy and Pharmacology</i> , 1992, 30, 385-393.	1.1	49
13	Sustained delivery and efficacy of polymeric nanoparticles containing osteopontin and bone sialoprotein antisenses in rats with breast cancer bone metastasis. <i>International Journal of Cancer</i> , 2010, 126, 1749-1760.	2.3	48
14	Identification and characterization of riproximin, a new type II ribosome-inactivating protein with antineoplastic activity from <i>Ximenia americana</i> . <i>FASEB Journal</i> , 2006, 20, 1194-1196.	0.2	47
15	Human urinary bladder carcinoma cell lines respond to treatment with alkylphosphocholines. <i>Cancer Letters</i> , 1999, 144, 153-160.	3.2	46
16	CCR5 blockage by maraviroc: a potential therapeutic option for metastatic breast cancer. <i>Cellular Oncology (Dordrecht)</i> , 2019, 42, 93-106.	2.1	44
17	Molecular detection of clinical colorectal cancer metastasis: how should multiple markers be put to use?. <i>International Journal of Colorectal Disease</i> , 2005, 20, 137-146.	1.0	40
18	Chemoembolisation of rat colorectal liver metastases with drug eluting beads loaded with irinotecan or doxorubicin. <i>Clinical and Experimental Metastasis</i> , 2008, 25, 273-282.	1.7	40

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19	CCR5 blockage by maraviroc induces cytotoxic and apoptotic effects in colorectal cancer cells. <i>Medical Oncology</i> , 2015, 32, 158.	1.2	40
20	Combination effects of alkylphosphocholines and gemcitabine in malignant and normal hematopoietic cells. <i>Cancer Letters</i> , 2002, 182, 163-174.	3.2	37
21	Alkylphosphocholines induce apoptosis in HL-60 and U-937 leukemic cells. <i>Cancer Chemotherapy and Pharmacology</i> , 1997, 41, 210-216.	1.1	35
22	The chemokines CCR1 and CCRL2 have a role in colorectal cancer liver metastasis. <i>Tumor Biology</i> , 2016, 37, 2461-2471.	0.8	35
23	Osteopontin but not osteonectin favors the metastatic growth of pancreatic cancer cell lines. <i>Cancer Biology and Therapy</i> , 2010, 10, 54-64.	1.5	34
24	Silencing of skeletal metastasis-associated genes impairs migration of breast cancer cells and reduces osteolytic bone lesions. <i>Clinical and Experimental Metastasis</i> , 2012, 29, 441-456.	1.7	33
25	Erucylphospho-N,N,N-trimethylpropylammonium (erufosine) is a potential antimyeloma drug devoid of myelotoxicity. <i>Cancer Chemotherapy and Pharmacology</i> , 2011, 67, 13-25.	1.1	32
26	Induction of ER and mitochondrial stress by the alkylphosphocholine erufosine in oral squamous cell carcinoma cells. <i>Cell Death and Disease</i> , 2018, 9, 296.	2.7	32
27	Erufosine suppresses breast cancer in vitro and in vivo for its activity on PI3K, c-Raf and Akt proteins. <i>Journal of Cancer Research and Clinical Oncology</i> , 2012, 138, 1909-1917.	1.2	31
28	Antitumor Lipidsâ€™ Structure, Functions, and Medical Applications. <i>Advances in Protein Chemistry and Structural Biology</i> , 2015, 101, 27-66.	1.0	31
29	Sequential biphasic changes in claudin1 and claudin4 expression are correlated to colorectal cancer progression and liver metastasis. <i>Journal of Cellular and Molecular Medicine</i> , 2012, 16, 260-272.	1.6	30
30	Sustained conditional knockdown reveals intracellular bone sialoprotein as essential for breast cancer skeletal metastasis. <i>Oncotarget</i> , 2014, 5, 5510-5522.	0.8	28
31	Low expression of chemokine receptor CCR5 in human colorectal cancer correlates with lymphatic dissemination and reduced CD8+ T-cell infiltration. <i>International Journal of Colorectal Disease</i> , 2010, 25, 417-424.	1.0	27
32	Prognostic value of disseminated colorectal tumor cells in the liver: results of follow-up examinations. <i>International Journal of Colorectal Disease</i> , 2004, 19, 380-386.	1.0	26
33	Riproximin modulates multiple signaling cascades leading to cytostatic and apoptotic effects in human breast cancer cells. <i>Journal of Cancer Research and Clinical Oncology</i> , 2016, 142, 135-147.	1.2	26
34	Multiple Facets of Autophagy and the Emerging Role of Alkylphosphocholines as Autophagy Modulators. <i>Frontiers in Pharmacology</i> , 2020, 11, 547.	1.6	25
35	Riproximin is a recently discovered type II ribosome inactivating protein with potential for treating cancer. <i>Biotechnology Advances</i> , 2014, 32, 1077-1090.	6.0	24
36	The CCR5 antagonist maraviroc causes remission of pancreatic cancer liver metastasis in nude rats based on cell cycle inhibition and apoptosis induction. <i>Cancer Letters</i> , 2020, 474, 82-93.	3.2	23

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37	Structure-activity relationships of four anti-cancer alkylphosphocholine derivatives In Vitro and In Vivo. <i>International Journal of Cancer</i> , 1993, 53, 418-425.	2.3	22
38	Alkylphosphocholines and curcumin induce programmed cell death in cutaneous T-cell lymphoma cell lines. <i>Leukemia Research</i> , 2014, 38, 49-56.	0.4	22
39	Conditional Knockdown of Osteopontin Inhibits Breast Cancer Skeletal Metastasis. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4918.	1.8	22
40	Cytokeratin 20 and guanylyl cyclase C mRNA is largely present in lymph node and liver specimens of colorectal cancer patients. <i>International Journal of Cancer</i> , 2003, 107, 617-628.	2.3	21
41	K-ras mutation status correlates with the expression of VEGFR1, VEGFR2, and PDGFR $\pm$ in colorectal cancer. <i>International Journal of Colorectal Disease</i> , 2010, 25, 181-186.	1.0	21
42	Purification and characterization of riproximin from <i>Ximenia americana</i> fruit kernels. <i>Protein Expression and Purification</i> , 2012, 82, 97-105.	0.6	21
43	SIBLINGs and SPARC families: Their emerging roles in pancreatic cancer. <i>World Journal of Gastroenterology</i> , 2014, 20, 14747.	1.4	21
44	Conditional knockdown of integrin beta-3 reveals its involvement in osteolytic and soft tissue lesions of breast cancer skeletal metastasis. <i>Journal of Cancer Research and Clinical Oncology</i> , 2021, 147, 361-371.	1.2	20
45	Decreased levels of osteopontin and bone sialoprotein II are correlated with reduced proliferation, colony formation, and migration of GFP-MDA-MB-231 cells. <i>International Journal of Oncology</i> , 2004, 24, 1235-44.	1.4	20
46	Induction of Apoptosis by Erucylphospho-N,N,N-trimethylammonium Is Associated with Changes in Signal Molecule Expression and Location. <i>Annals of the New York Academy of Sciences</i> , 2003, 1010, 307-310.	1.8	19
47	Optineurin downregulation induces endoplasmic reticulum stress, chaperone-mediated autophagy, and apoptosis in pancreatic cancer cells. <i>Cell Death Discovery</i> , 2019, 5, 128.	2.0	19
48	Quantitative detection of lac-Z-transfected CC531 colon carcinoma cells in an orthotopic rat liver metastasis model. <i>Clinical and Experimental Metastasis</i> , 1999, 17, 369-376.	1.7	18
49	Few genes are associated with the capability of pancreatic ductal adenocarcinoma cells to grow in the liver of nude rats. <i>Oncology Reports</i> , 2012, 28, 2177-2187.	1.2	18
50	Evaluation of Riproximin Binding Properties Reveals a Novel Mechanism for Cellular Targeting*. <i>Journal of Biological Chemistry</i> , 2012, 287, 35873-35886.	1.6	17
51	Differential effects of erufosine on proliferation, wound healing and apoptosis in colorectal cancer cell lines. <i>Oncology Reports</i> , 2014, 31, 1407-1416.	1.2	17
52	Antineoplastic effects of targeting CCR5 and its therapeutic potential for colorectal cancer liver metastasis. <i>Journal of Cancer Research and Clinical Oncology</i> , 2021, 147, 73-91.	1.2	16
53	Biodistribution of antisense nanoparticles in mammary carcinoma rat model. <i>Drug Delivery</i> , 2010, 17, 408-418.	2.5	14
54	Upregulation of cell cycle genes in head and neck cancer patients may be antagonized by erufosine $\text{\textcircled{TM}}$ s down regulation of cell cycle processes in OSCC cells. <i>Oncotarget</i> , 2018, 9, 5797-5810.	0.8	14

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55	Alkylphospholipids are Signal Transduction Modulators with Potential for Anticancer Therapy. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2019, 19, 66-91.	0.9	14
56	Treatment of bone metastasis induced by MDA-MB-231 breast cancer cells with an antibody against bone sialoprotein. <i>International Journal of Oncology</i> , 2006, 28, 573-83.	1.4	14
57	IDK1 is a rat monoclonal antibody against hypoglycosylated bone sialoprotein with application as biomarker and therapeutic agent in breast cancer skeletal metastasis. <i>Journal of Pathology: Clinical Research</i> , 2018, 4, 55-68.	1.3	13
58	The expression of genes contributing to pancreatic adenocarcinoma progression is influenced by the respective environment. <i>Genes and Cancer</i> , 2018, 9, 114-129.	0.6	13
59	Chemoembolization of rat liver metastasis with irinotecan and quantification of tumor cell reduction. <i>Journal of Cancer Research and Clinical Oncology</i> , 2004, 130, 203-210.	1.2	12
60	Prognostic value of tumor progression-related gene expression in colorectal cancer patients. <i>Journal of Cancer Research and Clinical Oncology</i> , 2012, 138, 1631-1640.	1.2	11
61	Riproximin™s activity depends on gene expression and sensitizes PDAC cells to TRAIL. <i>Cancer Biology and Therapy</i> , 2014, 15, 1185-1197.	1.5	11
62	Erufosine increases RhoB expression in oral squamous carcinoma cells independent of its tumor suppressive mode of action - a short report. <i>Cellular Oncology (Dordrecht)</i> , 2017, 40, 89-96.	2.1	11
63	Combination with an antisense oligonucleotide synergistically improves the antileukemic efficacy of erucylphospho-N,N,N-trimethylpropylammonium in chronic myeloid leukemia cell lines. <i>Molecular Cancer Therapeutics</i> , 2002, 1, 877-84.	1.9	11
64	Combination treatment of CC531-lac-Z rat liver metastases by chemoembolization with pemetrexed disodium and gemcitabine. <i>Journal of Cancer Research and Clinical Oncology</i> , 2005, 131, 289-299.	1.2	10
65	Erucylphospho-N,N,N-trimethylpropylammonium Shows Substantial Cytotoxicity in Multiple Myeloma Cells. <i>Annals of the New York Academy of Sciences</i> , 2009, 1171, 350-358.	1.8	10
66	Multi-modal Imaging of Angiogenesis in a Nude Rat Model of Breast Cancer Bone Metastasis Using Magnetic Resonance Imaging, Volumetric Computed Tomography and Ultrasound. <i>Journal of Visualized Experiments</i> , 2012, , e4178.	0.2	10
67	Reduced Expression of the Retinoblastoma Protein Shows That the Related Signaling Pathway Is Essential for Mediating the Antineoplastic Activity of Erufosine. <i>PLoS ONE</i> , 2014, 9, e100950.	1.1	10
68	Riproximin: A type II ribosome inactivating protein with anti-neoplastic potential induces IL24/MDA-7 and GADD genes in colorectal cancer cell lines. <i>International Journal of Oncology</i> , 2015, 47, 981-990.	1.4	10
69	The expression level of the tumor suppressor retinoblastoma protein (Rb) influences the antileukemic efficacy of erucylphospho-N,N,N-trimethylpropylammonium (ErPC3). <i>Cancer Biology and Therapy</i> , 2007, 6, 930-935.	1.5	9
70	ABT-737 and erufosine combination against castration-resistant prostate cancer. <i>Anti-Cancer Drugs</i> , 2019, 30, 383-393.	0.7	9
71	Regulation of osteopontin and related proteins in rat CC531 colorectal cancer cells. <i>International Journal of Oncology</i> , 2010, 37, 249-56.	3.9	9
72	Expression of chemokine receptor CCR5 correlates with the presence of hepatic molecular metastases in K-ras positive human colorectal cancer. <i>Journal of Cancer Research and Clinical Oncology</i> , 2011, 137, 1139-1145.	1.2	8

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73	Effect of Erufosine on the Reorganization of Cytoskeleton and Cell Death in Adherent Tumor and Non-Tumorigenic Cells. <i>Biotechnology and Biotechnological Equipment</i> , 2013, 27, 3695-3699.	0.5	7
74	The ribosome inhibiting protein riproximin shows antineoplastic activity in experimental pancreatic cancer liver metastasis. <i>Oncology Letters</i> , 2017, 15, 1441-1448.	0.8	7
75	Riproximin Exhibits Diversity in Sugar Binding, and Modulates some Metastasis-Related Proteins with Lectin like Properties in Pancreatic Ductal Adenocarcinoma. <i>Frontiers in Pharmacology</i> , 2020, 11, 549804.	1.6	7
76	Discovery of Novel CCR5 Ligands as Anticorectal Cancer Agents by Sequential Virtual Screening. <i>ACS Omega</i> , 2021, 6, 10921-10935.	1.6	7
77	Miltefosine decreases the cytotoxic effect of Epirubicine and Cyclophosphamide on mouse spermatogenic, thymic and bone marrow cells. <i>Archives of Toxicology</i> , 2006, 80, 27-33.	1.9	6
78	Effect of zoledronic acid and an antibody against bone sialoprotein II on MDA-MB-231GFP breast cancer cells in vitro and on osteolytic lesions induced in vivo by this cell line in nude rats. <i>Clinical and Experimental Metastasis</i> , 2007, 24, 449-459.	1.7	6
79	Pancreatic carcinoma cells colonizing the liver modulate the expression of their extracellular matrix genes. <i>Genes and Cancer</i> , 2018, 9, 215-231.	0.6	6
80	Hepatic disseminated tumor cells in colorectal cancer UICC stage 4 patients: prognostic implications. <i>International Journal of Oncology</i> , 2003, 23, 791-6.	1.4	6
81	K-ras codon 12 and 13 mutations are correlated with differential patterns of tumor cell dissemination in colorectal cancer patients. <i>International Journal of Oncology</i> , 2004, 24, 1537-44.	1.4	6
82	Modulation of the Endothelin System in Colorectal Cancer Liver Metastasis: Influence of Epigenetic Mechanisms?. <i>Frontiers in Pharmacology</i> , 2020, 11, 180.	1.6	5
83	Chemoembolization of rat liver metastasis with microspheres and gemcitabine followed by evaluation of tumor cell load by chemiluminescence. <i>Oncology Reports</i> , 2004, 11, 1107-13.	1.2	5
84	Lactosyl-sepharose binding proteins from pancreatic cancer cells show differential expression in primary and metastatic organs. <i>Experimental Biology and Medicine</i> , 2020, 245, 631-643.	1.1	4
85	A subgroup of lactosyl-Sepharose binding proteins requires calcium for affinity and galactose for anti-proliferation. <i>Chemico-Biological Interactions</i> , 2021, 334, 109354.	1.7	4
86	Superiority of combined chemo-embolization and portal infusion with 5-fluorouracil over locoregional infusion concepts in Novikoff hepatoma-bearing rats. <i>Journal of Cancer Research and Clinical Oncology</i> , 2003, 129, 655-661.	1.2	2
87	Investigation of Metastasis-Related Genes: A Rat Model Mimicking Liver Metastasis of Colorectal Carcinoma. <i>Frontiers in Oncology</i> , 2017, 7, 152.	1.3	2
88	Disseminated colorectal tumor cells in organs prone to metastasis detected by new double enriched nested-PCR in comparison with recognized assays. <i>Oncology Reports</i> , 2011, 25, 1421-9.	1.2	1
89	Erufosine Induces Autophagy and Apoptosis in Oral Squamous Cell Carcinoma. , 2014, , 229-245.		1
90	Early Metastasis in Colorectal Cancer Poses an Option for New Diagnostic and Treatment Strategies. , 0, , .		1

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91	Dual Akt and Bcl-2 inhibition induces cell-type specific modulation of apoptotic and autophagic signaling in castration resistant prostate cancer cell lines. Molecular Biology Reports, 2021, 48, 7755-7765.	1.0	1
92	Experimental Results Help Shape the Development of Personalized Medicine in Colorectal Cancer. , 2019, , .		0