Robert M Hoffman

List of Publications by Year
in descending order

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837	32,202	4955	10724
papers	citations	84 h-index	138 g-index

849	849	849	24906
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Physical limits of cell migration: Control by ECM space and nuclear deformation and tuning by proteolysis and traction force. Journal of Cell Biology, 2013, 201, 1069-1084.	2.3	1,123
2	A Senescence Program Controlled by p53 and p16INK4a Contributes to the Outcome of Cancer Therapy. Cell, 2002, 109, 335-346.	13.5	966
3	The multiple uses of fluorescent proteins to visualize cancer in vivo. Nature Reviews Cancer, 2005, 5, 796-806.	12.8	582
4	Orthotopic metastatic mouse models for anticancer drug discovery and evaluation: a bridge to the clinic. , 1999, 17, 343-360.		495
5	Transdifferentiation of glioblastoma cells into vascular endothelial cells. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 4274-4280.	3.3	484
6	Dissecting p53 tumor suppressor functions in vivo. Cancer Cell, 2002, 1, 289-298.	7.7	478
7	Tumor-targeting bacterial therapy with amino acid auxotrophs of GFP-expressing Salmonella typhimurium. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 755-760.	3.3	439
8	Gene expression profiling predicts clinical outcome of prostate cancer. Journal of Clinical Investigation, 2004, 113, 913-923.	3.9	405
9	Multipotent nestin-positive, keratin-negative hair-follicle bulge stem cells can form neurons. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 5530-5534.	3.3	404
10	Patient-derived orthotopic xenografts: better mimic of metastasis than subcutaneous xenografts. Nature Reviews Cancer, 2015, 15, 451-452.	12.8	361
11	Nestin expression in hair follicle sheath progenitor cells. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 9958-9961.	3.3	333
12	Implanted hair follicle stem cells form Schwann cells that support repair of severed peripheral nerves. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 17734-17738.	3.3	315
13	Targeted Therapy with a Salmonella Typhimurium Leucine-Arginine Auxotroph Cures Orthotopic Human Breast Tumors in Nude Mice. Cancer Research, 2006, 66, 7647-7652.	0.4	278
14	Imaging exosome transfer from breast cancer cells to stroma at metastatic sites in orthotopic nude-mouse models. Advanced Drug Delivery Reviews, 2013, 65, 383-390.	6.6	267
15	Development of Real-time Subcellular Dynamic Multicolor Imaging of Cancer-Cell Trafficking in Live Mice with a Variable-Magnification Whole-Mouse Imaging System. Cancer Research, 2006, 66, 4208-4214.	0.4	242
16	Green fluorescent protein imaging of tumour growth, metastasis, and angiogenesis in mouse models. Lancet Oncology, The, 2002, 3, 546-556.	5.1	232
17	Monotherapy with a tumor-targeting mutant of Salmonella typhimurium cures orthotopic metastatic mouse models of human prostate cancer. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 10170-10174.	3.3	229
18	Increased Expression of Apoptosis Inhibitor Protein XIAP Contributes to Anoikis Resistance of Circulating Human Prostate Cancer Metastasis Precursor Cells. Cancer Research, 2005, 65, 2378-2386.	0.4	218

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19	Nascent blood vessels in the skin arise from nestin-expressing hair-follicle cells. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 13291-13295.	3.3	215
20	The feasibility of targeted selective gene therapy of the hair follicle. Nature Medicine, 1995, 1, 705-706.	15.2	209
21	Potent and Highly Selective Hypoxia-Activated Achiral Phosphoramidate Mustards as Anticancer Drugs. Journal of Medicinal Chemistry, 2008, 51, 2412-2420.	2.9	208
22	Dual-color fluorescence imaging distinguishes tumor cells from induced host angiogenic vessels and stromal cells. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 14259-14262.	3.3	188
23	The metabolic defect of methionine dependence occurs frequently in human tumor cell lines. Biochemical and Biophysical Research Communications, 1983, 117, 429-434.	1.0	184
24	Whole-body imaging with fluorescent proteins. Nature Protocols, 2006, 1, 1429-1438.	5.5	183
25	Direct external imaging of nascent cancer, tumor progression, angiogenesis, and metastasis on internal organs in the fluorescent orthotopic model. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 3824-3829.	3.3	179
26	Real-time In vivo Dual-color Imaging of Intracapillary Cancer Cell and Nucleus Deformation and Migration. Cancer Research, 2005, 65, 4246-4252.	0.4	160
27	Subcellular imaging in the live mouse. Nature Protocols, 2006, 1, 775-782.	5.5	160
28	Altered methionine metabolism occurs in all members of a set of diverse human tumor cell lines. Journal of Cellular Physiology, 1984, 119, 29-34.	2.0	158
29	Color-coded fluorescence imaging of tumor-host interactions. Nature Protocols, 2006, 1, 928-935.	5.5	157
30	Essential Role for Activation of the Polycomb Group (PcG) Protein Chromatin Silencing Pathway in Metastatic Prostate Cancer. Cell Cycle, 2006, 5, 1886-1901.	1.3	150
31	Peptides selected for binding to clotted plasma accumulate in tumor stroma and wounds. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 2800-2804.	3.3	150
32	Multipotent hair follicle stem cells promote repair of spinal cord injury and recovery of walking function. Cell Cycle, 2008, 7, 1865-1869.	1.3	150
33	Altered methionine metabolism, DNA methylation and oncogene expression in carcinogenesis. Biochimica Et Biophysica Acta: Reviews on Cancer, 1984, 738, 49-87.	3.3	148
34	Overexpression and Large-Scale Production of Recombinantl-Methionine-Î±-deamino-Î³-mercaptomethane-lyase for Novel Anticancer Therapy. Protein Expression and Purification, 1997, 9, 233-245.	0.6	144
35	Overactivated Neddylation Pathway as a Therapeutic Target in Lung Cancer. Journal of the National Cancer Institute, 2014, 106, dju083.	3.0	144
36	Cellular Dynamics Visualized in Live Cells in Vitro and in Vivo by Differential Dual-Color Nuclear-Cytoplasmic Fluorescent-Protein Expression. Cancer Research, 2004, 64, 4251-4256.	0.4	141

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37	Real-time optical imaging of primary tumor growth and multiple metastatic events in a pancreatic cancer orthotopic model. Cancer Research, 2002, 62, 1534-40.	0.4	141
38	Nestin-Linked Green Fluorescent Protein Transgenic Nude Mouse for Imaging Human Tumor Angiogenesis. Cancer Research, 2005, 65, 5352-5357.	0.4	139
39	Orthotopic transplantation of histologically intact clinical specimens of stomach cancer to nude mice: Correlation of metastatic sites in mouse and individual patient donors. International Journal of Cancer, 1993, 53, 608-612.	2.3	138
40	In vivo internal tumor illumination by telomerase-dependent adenoviral GFP for precise surgical navigation. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 14514-14517.	3.3	134
41	Fluorophore-conjugated anti-CEA Antibody for the Intraoperative Imaging of Pancreatic and Colorectal Cancer. Journal of Gastrointestinal Surgery, 2008, 12, 1938-1950.	0.9	133
42	Development of recombinant methioninase to target the general cancer-specific metabolic defect of methionine dependence: a 40-year odyssey. Expert Opinion on Biological Therapy, 2015, 15, 21-31.	1.4	133
43	A novel red fluorescent protein orthotopic pancreatic cancer model for the preclinical evaluation of chemotherapeutics. Journal of Surgical Research, 2003, 113, 151-160.	0.8	132
44	Fluorescently labeled chimeric antiâ€CEA antibody improves detection and resection of human colon cancer in a patientâ€derived orthotopic xenograft (PDOX) nude mouse model. Journal of Surgical Oncology, 2014, 109, 451-458.	0.8	132
45	Elevated overall rates of transmethylation in cell lines from diverse human tumors. In Vitro, 1984, 20, 663-670.	1.2	129
46	Transgenic Nude Mouse with Ubiquitous Green Fluorescent Protein Expression as a Host for Human Tumors. Cancer Research, 2004, 64, 8651-8656.	0.4	129
47	Efficacy of tumor-targeting Salmonella typhimurium A1-R in combination with anti-angiogenesis therapy on a pancreatic cancer patient-derived orthotopic xenograft (PDOX) and cell line mouse models. Oncotarget, 2014, 5, 12346-12357.	0.8	128
48	CXCâ€chemokine/CXCR2 biological axis promotes angiogenesis in vitro and in vivo in pancreatic cancer. International Journal of Cancer, 2009, 125, 1027-1037.	2.3	127
49	Characterization of HCT116 Human Colon Cancer Cells in an Orthotopic Model. Journal of Surgical Research, 2008, 147, 276-281.	0.8	125
50	Cancer metastasis directly eradicated by targeted therapy with a modified Salmonella typhimurium. Journal of Cellular Biochemistry, 2009, 106, 992-998.	1.2	125
51	Monotherapy with a Tumor-Targeting Mutant of S. typhimurium Inhibits Liver Metastasis in a Mouse Model of Pancreatic Cancer. Journal of Surgical Research, 2010, 164, 248-255.	0.8	125
52	In vitro sensitivity assays in cancer: A review, analysis, and prognosis. Journal of Clinical Laboratory Analysis, 1991, 5, 133-143.	0.9	122
53	Human hair follicle pluripotent stem (hfPS) cells promote regeneration of peripheralâ€nerve injury: An advantageous alternative to ES and iPS cells. Journal of Cellular Biochemistry, 2009, 107, 1016-1020.	1.2	119
54	Real-time Imaging of Tumor-Cell Shedding and Trafficking in Lymphatic Channels. Cancer Research, 2007, 67, 8223-8228.	0.4	118

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55	The bulge area is the origin of nestin-expressing pluripotent stem cells of the hair follicle. Journal of Cellular Biochemistry, 2011, 112, 2046-2050.	1.2	118
56	Whole-Body Subcellular Multicolor Imaging of Tumor-Host Interaction and Drug Response in Real Time. Cancer Research, 2007, 67, 5195-5200.	0.4	117
57	Successful Fluorescence-Guided Surgery on Human Colon Cancer Patient-Derived Orthotopic Xenograft Mouse Models Using a Fluorophore-Conjugated Anti-CEA Antibody and a Portable Imaging System. Journal of Laparoendoscopic and Advanced Surgical Techniques - Part A, 2014, 24, 241-247.	0.5	117
58	Induction of Cancer Metastasis by Cyclophosphamide Pretreatment of Host Mice: An Opposite Effect of Chemotherapy. Cancer Research, 2008, 68, 516-520.	0.4	115
59	Prolonged dormancy and site-specific growth potential of cancer cells spontaneously disseminated from nonmetastatic breast tumors as revealed by labeling with green fluorescent protein. Clinical Cancer Research, 2003, 9, 3808-14.	3.2	115
60	Role of the tumor microenvironment in pancreatic cancer. Annals of Gastroenterological Surgery, 2019, 3, 130-137.	1.2	114
61	Systemic targeting of primary bone tumor and lung metastasis of high-grade osteosarcoma in nude mice with a tumor-selective strain ofSalmonella typhymurium. Cell Cycle, 2009, 8, 870-875.	1.3	113
62	To do tissue culture in two or three dimensions? that is the question. Stem Cells, 1993, 11, 105-111.	1.4	112
63	Tumor-targeting Salmonella typhimurium A1-R in combination with doxorubicin eradicate soft tissue sarcoma in a patient-derived orthotopic xenograft (PDOX) model. Oncotarget, 2016, 7, 12783-12790.	0.8	109
64	White paper on microbial anti-cancer therapy and prevention. , 2018, 6, 78.		108
65	Efficacy of a genetically-modified Salmonella typhimurium in an orthotopic human pancreatic cancer in nude mice. Anticancer Research, 2009, 29, 1873-8.	0.5	106
66	PEGylation Confers Greatly Extended Half-Life and Attenuated Immunogenicity to Recombinant Methioninase in Primates. Cancer Research, 2004, 64, 6673-6678.	0.4	105
67	In vivo Color-Coded Imaging of the Interaction of Colon Cancer Cells and Splenocytes in the Formation of Liver Metastases. Cancer Research, 2006, 66, 11293-11297.	0.4	105
68	Establishment of a Patient-Derived Orthotopic Xenograft (PDOX) Model of HER-2-Positive Cervical Cancer Expressing the Clinical Metastatic Pattern. PLoS ONE, 2015, 10, e0117417.	1.1	105
69	Pseudopodium-enriched atypical kinase 1 regulates the cytoskeleton and cancer progression. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 10920-10925.	3.3	104
70	A transgenic red fluorescent proteinâ€expressing nude mouse for colorâ€coded imaging of the tumor microenvironment. Journal of Cellular Biochemistry, 2009, 106, 279-284.	1.2	103
71	Enhanced In Vitro Selective Toxicity of Chemotherapeutic Agents for Human Cancer Cells Based on a Metabolic Defect2. Journal of the National Cancer Institute, 1986, 76, 629-639.	3.0	102
72	The bulge area is the major hair follicle source of nestin-expressing pluripotent stem cells which can repair the spinal cord compared to the dermal papilla. Cell Cycle, 2011, 10, 830-839.	1.3	101

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73	Vessel destruction by tumor-targetingSalmonella typhimuriumA1-R is enhanced by high tumor vascularity. Cell Cycle, 2010, 9, 4518-4524.	1.3	99
74	Pancreatic cancer-derived exosomes promote tumor metastasis and liver pre-metastatic niche formation. Oncotarget, 2017, 8, 63461-63483.	0.8	98
75	Bacterial Therapy of Cancer: Promises, Limitations, and Insights for Future Directions. Frontiers in Microbiology, 2018, 9, 16.	1.5	98
76	The Pluripotency of Hair Follicle Stem Cells. Cell Cycle, 2006, 5, 232-233.	1.3	97
77	KRas Induces a Src/PEAK1/ErbB2 Kinase Amplification Loop That Drives Metastatic Growth and Therapy Resistance in Pancreatic Cancer. Cancer Research, 2012, 72, 2554-2564.	0.4	96
78	Tumor-targeting Salmonella typhimurium A1-R decoys quiescent cancer cells to cycle as visualized by FUCCI imaging and become sensitive to chemotherapy. Cell Cycle, 2014, 13, 3958-3963.	1.3	96
79	Neddylation Inhibition Activates the Extrinsic Apoptosis Pathway through ATF4â€“CHOPâ€“DR5 Axis in Human Esophageal Cancer Cells. Clinical Cancer Research, 2016, 22, 4145-4157.	3.2	96
80	Targeting the Lymphotoxin-Î² Receptor with Agonist Antibodies as a Potential Cancer Therapy. Cancer Research, 2006, 66, 9617-9624.	0.4	95
81	Imaging of Primary and Metastatic Pancreatic Cancer Using a Fluorophoreâ€Conjugated Antiâ€CA19â€9 Antibody for Surgical Navigation. World Journal of Surgery, 2008, 32, 1057-1066.	0.8	94
82	Efficacy of Salmonella typhimurium A1â€R Versus Chemotherapy on a Pancreatic Cancer Patientâ€Derived Orthotopic Xenograft (PDOX). Journal of Cellular Biochemistry, 2014, 115, 1254-1261.	1.2	93
83	Efficacy of Tumor-Targeting Salmonella A1-R on a Melanoma Patient-Derived Orthotopic Xenograft (PDOX) Nude-Mouse Model. PLoS ONE, 2016, 11, e0160882.	1.1	93
84	High efficacy of tumor-targeting Salmonella typhimurium A1-R on a doxorubicin- and dactolisib-resistant follicular dendritic-cell sarcoma in a patient-derived orthotopic xenograft PDOX nude mouse model. Oncotarget, 2016, 7, 33046-33054.	0.8	93
85	Effective molecular targeting of CDK4/6 and IGF-1R in a rare FUS-ERG fusion CDKN2A-deletion doxorubicin-resistant Ewing's sarcoma patient-derived orthotopic xenograft (PDOX) nude-mouse model. Oncotarget, 2016, 7, 47556-47564.	0.8	91
86	The challenges posed by cancer heterogeneity. Nature Biotechnology, 2012, 30, 604-610.	9.4	90
87	Selective methioninase-induced trap of cancer cells in S/G2 phase visualized by FUCCI imaging confers chemosensitivity. Oncotarget, 2014, 5, 8729-8736.	0.8	85
88	Topical Liposome Targeting of Dyes, Melanins, Genes, and Proteins Selectively to Hair Follicles. Journal of Drug Targeting, 1998, 5, 67-74.	2.1	84
89	Knockdown of the Î²₁ integrin subunit reduces primary tumor growth and inhibits pancreatic cancer metastasis. International Journal of Cancer, 2011, 129, 2905-2915.	2.3	82
90	Metastatic Recurrence in a Pancreatic Cancer Patient Derived Orthotopic Xenograft (PDOX) Nude Mouse Model Is Inhibited by Neoadjuvant Chemotherapy in Combination with Fluorescence-Guided Surgery with an Anti-CA 19-9-Conjugated Fluorophore. PLoS ONE, 2014, 9, e114310.	1.1	82

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91	Fluorescence imaging of multiple myeloma cells in a clinically relevant SCID/NOD in vivo model: biologic and clinical implications. Cancer Research, 2003, 63, 6689-96.	0.4	81
92	Genistein inhibits the growth of human-patient BPH and prostate cancer in histoculture. , 1998, 34, 75-79.		80
93	Inhibition and eradication of human glioma with tumor-targetingSalmonella typhimuriumin an orthotopic nude-mouse model. Cell Cycle, 2012, 11, 628-632.	1.3	80
94	Application of GFP imaging in cancer. Laboratory Investigation, 2015, 95, 432-452.	1.7	80
95	Highin vitro-in vivo correlation of drug response using sponge-gel-supported three-dimensional histoculture and the MTT end point. International Journal of Cancer, 1992, 51, 489-498.	2.3	79
96	Comparison of efficacy ofSalmonella typhimuriumA1-R and chemotherapy on stem-like and non-stem human pancreatic cancer cells. Cell Cycle, 2013, 12, 2774-2780.	1.3	78
97	Tumor-Targeting Salmonella typhimurium A1-R Arrests a Chemo-Resistant Patient Soft-Tissue Sarcoma in Nude Mice. PLoS ONE, 2015, 10, e0134324.	1.1	78
98	Tumor-targeting Salmonella typhimurium A1-R combined with temozolomide regresses malignant melanoma with a BRAF-V600E mutation in a patient-derived orthotopic xenograft (PDOX) model. Oncotarget, 2016, 7, 85929-85936.	0.8	77
99	Recombinant methioninase effectively targets a Ewing's sarcoma in a patient-derived orthotopic xenograft (PDOX) nude-mouse model. Oncotarget, 2017, 8, 35630-35638.	0.8	77
100	Fluorescence-guided Surgery with a Fluorophore-conjugated Antibody to Carcinoembryonic Antigen (CEA), that Highlights the Tumor, Improves Surgical Resection and Increases Survival in Orthotopic Mouse Models of Human Pancreatic Cancer. Annals of Surgical Oncology, 2014, 21, 1405-1411.	0.7	76
101	On the role of classical and novel forms of vitamin D in melanoma progression and management. Journal of Steroid Biochemistry and Molecular Biology, 2018, 177, 159-170.	1.2	75
102	Reduced free-methionine in methionine-dependent SV40-transformed human fibroblasts synthesizing apparently normal amounts of methionine. Journal of Cellular Physiology, 1983, 117, 9-14.	2.0	74
103	Human and mouse hair follicles contain both multipotent and monopotent stem cells. Cell Cycle, 2009, 8, 176-177.	1.3	74
104	Methionine dependence in cancer cells â€" A review. In Vitro, 1982, 18, 421-428.	1.2	73
105	Polyethylene Glycol Conjugation of Recombinant Methioninase for Cancer Therapy. Protein Expression and Purification, 1998, 12, 45-52.	0.6	73
106	Salmonella Promoters Preferentially Activated Inside Tumors. Cancer Research, 2008, 68, 4827-4832.	0.4	73
107	Tumor-selective, adenoviral-mediated GFP genetic labeling of human cancer in the live mouse reports future recurrence after resection. Cell Cycle, 2011, 10, 2737-2741.	1.3	73
108	Vemurafenib-resistant BRAF-V600E-mutated melanoma is regressed by MEK-targeting drug trametinib, but not cobimetinib in a patient-derived orthotopic xenograft (PDOX) mouse model. Oncotarget, 2016, 7, 71737-71743.	0.8	72

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109	Hair Follicleâ€“Derived Blood Vessels Vascularize Tumors in Skin and Are Inhibited by Doxorubicin. Cancer Research, 2005, 65, 2337-2343.	0.4	71
110	Hand-held high-resolution fluorescence imaging system for fluorescence-guided surgery of patient and cell-line pancreatic tumors growing orthotopically in nude mice. Journal of Surgical Research, 2014, 187, 510-517.	0.8	71
111	A Genetically Engineered Oncolytic Adenovirus Decoys and Lethally Traps Quiescent Cancer Stemâ€“like Cells in S/G2/M Phases. Clinical Cancer Research, 2013, 19, 6495-6505.	3.2	70
112	Glowing Tumors Make for Better Detection and Resection. Science Translational Medicine, 2011, 3, 110fs10.	5.8	69
113	Spatialâ€“temporal FUCCI imaging of each cell in a tumor demonstrates locational dependence of cell cycle dynamics and chemoresponsiveness. Cell Cycle, 2014, 13, 2110-2119.	1.3	69
114	Selective efficacy of zoledronic acid on metastasis in a patientâ€derived orthotopic xenograph (PDOX) nudeâ€mouse model of human pancreatic cancer. Journal of Surgical Oncology, 2015, 111, 311-315.	0.8	69
115	Metastatic patterns of lung cancer visualized live and in process by green fluorescence protein expression. Clinical and Experimental Metastasis, 1997, 15, 547-552.	1.7	67
116	Facile whole-body imaging of internal fluorescent tumors in mice with an LED flashlight. BioTechniques, 2005, 39, 170-172.	0.8	67
117	Invading cancer cells are predominantly in G₀/G₁resulting in chemoresistance demonstrated by real-time FUCCI imaging. Cell Cycle, 2014, 13, 953-960.	1.3	67
118	Combination treatment with recombinant methioninase enables temozolomide to arrest a BRAF V600E melanoma in a patient-derived orthotopic xenograft (PDOX) mouse model. Oncotarget, 2017, 8, 85516-85525.	0.8	67
119	Chronologically-specific metastatic targeting of human pancreatic tumors in orthotopic models. Clinical and Experimental Metastasis, 2000, 18, 213-218.	1.7	66
120	Visualization of GFP-Expressing Tumors and Metastasis In Vivo. BioTechniques, 2001, 30, 1016-1026.	0.8	66
121	Synergistic Inhibitory Effect of Traditional Chinese Medicine Astragaloside IV and Curcumin on Tumor Growth and Angiogenesis in an Orthotopic Nude-Mouse Model of Human Hepatocellular Carcinoma. Anticancer Research, 2017, 37, 465-474.	0.5	66
122	Reversion to methionine independence by malignant rat and SV40-transformed human fibroblasts. Biochemical and Biophysical Research Communications, 1978, 82, 228-234.	1.0	65
123	Viable circulating metastatic cells produced in orthotopic but not ectopic prostate cancer models. Cancer Research, 2003, 63, 4239-43.	0.4	65
124	Extensive multi-organ metastasis following orthotopic onplantation of histologically-intact human bladder carcinoma tissue in nude mice. International Journal of Cancer, 1991, 49, 938-939.	2.3	64
125	Pharmacokinetics, Methionine Depletion, and Antigenicity of Recombinant Methioninase in Primates. Clinical Cancer Research, 2004, 10, 2131-2138.	3.2	64
126	Direct evidence that PTHrP expression promotes prostate cancer progression in bone. Biochemical and Biophysical Research Communications, 2005, 327, 468-472.	1.0	64

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127	Structure of the Antitumour Enzyme L-Methionine Â-Lyase from Pseudomonas putida at 1.8 A Resolution. Journal of Biochemistry, 2007, 141, 535-544.	0.9	64
128	Fluorescence-Guided Surgery Allows for More Complete Resection of Pancreatic Cancer, Resulting in Longer Disease-Free Survival Compared with Standard Surgery in Orthotopic Mouse Models. Journal of the American College of Surgeons, 2012, 215, 126-135.	0.2	64
129	Determination of clonality of metastasis by cell-specific color-coded fluorescent-protein imaging. Cancer Research, 2003, 63, 7785-90.	0.4	63
130	Patient-derived orthotopic xenograft (PDOX) nude mouse model of soft-tissue sarcoma more closely mimics the patient behavior in contrast to the subcutaneous ectopic model. Anticancer Research, 2015, 35, 697-701.	0.5	63
131	Imaging cancer dynamics inÂvivo at the tumor and cellular level with fluorescent proteins. Clinical and Experimental Metastasis, 2009, 26, 345-355.	1.7	61
132	Multiâ€€color palette of fluorescent proteins for imaging the tumor microenvironment of orthotopic tumorgraft mouse models of clinical pancreatic cancer specimens. Journal of Cellular Biochemistry, 2012, 113, 2290-2295.	1.2	61
133	Antigen-Specific Bacterial Vaccine Combined with Anti-PD-L1 Rescues Dysfunctional Endogenous T Cells to Reject Long-Established Cancer. Cancer Immunology Research, 2013, 1, 123-133.	1.6	61
134	Orthotopic transplant mouse models with green fluorescent protein-expressing cancer cells to visualize metastasis and angiogenesis. Cancer and Metastasis Reviews, 1998, 17, 271-277.	2.7	60
135	Prediction of survival in patients with head and neck cancer using the histoculture drug response assay. Head and Neck, 2002, 24, 437-442.	0.9	60
136	Selective metastatic tumor labeling with green fluorescent protein and killing by systemic administration of telomerase-dependent adenoviruses. Molecular Cancer Therapeutics, 2009, 8, 3001-3008.	1.9	60
137	From hair to heart: nestin-expressing hair-follicle-associated pluripotent (HAP) stem cells differentiate to beating cardiac muscle cells. Cell Cycle, 2015, 14, 2362-2366.	1.3	60
138	Development of a high metastatic orthotopic model of human renal cell carcinoma in nude mice: benefits of fragment implantation compared to cell-suspension injection. Clinical and Experimental Metastasis, 1999, 17, 265-270.	1.7	59
139	The hair follicle as a gene therapy target. Nature Biotechnology, 2000, 18, 20-21.	9.4	59
140	Dual-Color Imaging of Nuclear-Cytoplasmic Dynamics, Viability, and Proliferation of Cancer Cells in the Portal Vein Area. Cancer Research, 2006, 66, 303-306.	0.4	59
141	Oral recombinant methioninase (o-rMETase) is superior to injectable rMETase and overcomes acquired gemcitabine resistance in pancreatic cancer. Cancer Letters, 2018, 432, 251-259.	3.2	59
142	Tumor-targetingSalmonella typhimuriumA1-R arrests growth of breast-cancer brain metastasis. Oncotarget, 2015, 6, 2615-2622.	0.8	59
143	In vivo efficacy of recombinant methioninase is enhanced by the combination of polyethylene glycol conjugation and pyridoxal 5'-phosphate supplementation. Cancer Research, 2003, 63, 8377-83.	0.4	59
144	Broad selective efficacy of recombinant methioninase and polyethylene glycol-modified recombinant methioninase on cancer cells In Vitro. Anticancer Research, 2010, 30, 1041-6.	0.5	59

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145	Topical liposome delivery of molecules to hair follicles in mice. Journal of Dermatological Science, 1997, 14, 101-108.	1.0	57
146	Mutant PIK3CA-Bearing Colon Cancer Cells Display Increased Metastasis in an Orthotopic Model. Cancer Research, 2007, 67, 5851-5858.	0.4	57
147	Fluorescence-guided surgery of human colon cancer increases complete resection resulting in cures in an orthotopic nude mouse model. Journal of Surgical Research, 2013, 179, 87-93.	0.8	57
148	Tumor-targeting Salmonella typhimurium A1-R combined with recombinant methioninase and cisplatinum eradicates an osteosarcoma cisplatinum-resistant lung metastasis in a patient-derived orthotopic xenograft (PDOX) mouse model: decoy, trap and kill chemotherapy moves toward the clinic. Cell Cycle, 2018, 17, 801-809.	1.3	57
149	Conversion of highly malignant colon cancer from an aggressive to a controlled disease by oral administration of a metalloproteinase inhibitor. Clinical and Experimental Metastasis, 1997, 15, 184-195.	1.7	56
150	High-level expression and bulk crystallization of recombinant l-methionine Î³-lyase, an anticancer agent. Applied Microbiology and Biotechnology, 2006, 70, 183-192.	1.7	56
151	Marker Expression in Circulating Cancer Cells of Pancreatic Cancer Patients. Journal of Surgical Research, 2011, 171, 631-636.	0.8	56
152	Recombinant methioninase in combination with doxorubicin (DOX) overcomes first-line DOX resistance in a patient-derived orthotopic xenograft nude-mouse model of undifferentiated spindle-cell sarcoma. Cancer Letters, 2018, 417, 168-173.	3.2	56
153	Near Infra-Red Photoimmunotherapy with Anti-CEA-IR700 Results in Extensive Tumor Lysis and a Significant Decrease in Tumor Burden in Orthotopic Mouse Models of Pancreatic Cancer. PLoS ONE, 2015, 10, e0121989.	1.1	56
154	Disruption of angiogenesis and tumor growth with an orally active drug that stabilizes the inactive state of PDGFRÎ²/B-RAF. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 4299-4304.	3.3	55
155	Tumor-specific cell-cycle decoy by Salmonella typhimurium A1-R combined with tumor-selective cell-cycle trap by methioninase overcome tumor intrinsic chemoresistance as visualized by FUCCI imaging. Cell Cycle, 2016, 15, 1715-1723.	1.3	55
156	Promotion of tumor-associated macrophages infiltration by elevated neddylation pathway via NF-ÎºB-CCL2 signaling in lung cancer. Oncogene, 2019, 38, 5792-5804.	2.6	55
157	Collective cancer invasion forms an integrin-dependent radioresistant niche. Journal of Experimental Medicine, 2020, 217, .	4.2	55
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