Marie Boyd

List of Publications by Year
in descending order

39 papers	1,222 citations	331538 21 h-index	360920 35 g-index
40 all docs	40 docs citations	40 times ranked	1634 citing authors

#	Article	IF	Citations
1	Radiation-induced biologic bystander effect elicited in vitro by targeted radiopharmaceuticals labeled with alpha-, beta-, and auger electron-emitting radionuclides. Journal of Nuclear Medicine, 2006, 47, 1007-15.	2.8	101
2	A human BRCA1 gene knockout. Nature, 1995, 375, 541-542.	13.7	91
3	The Role of Copper in Disulfiram-Induced Toxicity and Radiosensitization of Cancer Cells. Journal of Nuclear Medicine, 2013, 54, 953-960.	2.8	71
4	Comparison of High-Specific-Activity Ultratrace ^{123/131}I-MIBG and Carrier-Added ^{123/131}I-MIBG on Efficacy, Pharmacokinetics, and Tissue Distribution. Cancer Biotherapy and Radiopharmaceuticals, 2010, 25, 299-308.	0.7	67
5	Emulsion technologies for multicellular tumour spheroid radiation assays. Analyst, The, 2016, 141, 100-110.	1.7	62
6	[131I]meta-Iodobenzylguanidine and Topotecan Combination Treatment of Tumors Expressing the Noradrenaline Transporter. Clinical Cancer Research, 2005, 11, 7929-7937.	3.2	61
7	An efficient targeted radiotherapy/gene therapy strategy utilising human telomerase promoters and radioastatine and harnessing radiation-mediated bystander effects. Journal of Gene Medicine, 2004, 6, 937-947.	1.4	57
8	Experimental targeted radioiodide therapy following transfection of the sodium iodide symporter gene: Effect on clonogenicity in both two-and three-dimensional models. Cancer Gene Therapy, 2000, 7, 1529-1536.	2.2	54
9	Synthesis and Evaluation of a Radioiodinated Tracer with Specificity for Poly(ADP-ribose) Polymerase-1 (PARP-1) in Vivo. Journal of Medicinal Chemistry, 2015, 58, 8683-8693.	2.9	50
10	Deletion of the Dual Specific Phosphatase-4 (DUSP-4) Gene Reveals an Essential Non-redundant Role for MAP Kinase Phosphatase-2 (MKP-2) in Proliferation and Cell Survival. Journal of Biological Chemistry, 2011, 286, 12933-12943.	1.6	49
11	Preclinical Evaluation of an 131I-Labeled Benzamide for Targeted Radiotherapy of Metastatic Melanoma. Cancer Research, 2010, 70, 4045-4053.	0.4	48
12	New Sulphated Flavonoids from Wissadula periplocifolia (L.) C. Presl (Malvaceae). Molecules, 2015, 20, 20161-20172.	1.7	47
13	Microsatellite analysis for determination of the mutagenicity of extremely low-frequency electromagnetic fields and ionising radiation in vitro. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2007, 626, 34-41.	0.9	40
14	Lysosomotropism depends on glucose: a chloroquine resistance mechanism. Cell Death and Disease, 2017, 8, e3014-e3014.	2.7	37
15	Radiation quality-dependent bystander effects elicited by targeted radionuclides. Journal of Pharmacy and Pharmacology, 2010, 60, 951-958.	1.2	36
16	Expression in UVW glioma cells of the noradrenaline transporter gene, driven by the telomerase RNA promoter, induces active uptake of [131I]MIBG and clonogenic cell kill. Oncogene, 2001, 20, 7804-7808.	2.6	35
17	Transitioning from multi-phase to single-phase microfluidics for long-term culture and treatment of multicellular spheroids. Lab on A Chip, 2016, 16, 3548-3557.	3.1	33
18	Untargeted Metabolomics Profiling of an 80.5 km Simulated Treadmill Ultramarathon. Metabolites, 2018, 8, 14.	1.3	30

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19	[131I]MIBG and topotecan: A rationale for combination therapy for neuroblastoma. Cancer Letters, 2005, 228, 221-227.	3.2	26
20	Inhibitory Kappa B Kinase Î± (IKKÎ±) Inhibitors That Recapitulate Their Selectivity in Cells against Isoform-Related Biomarkers. Journal of Medicinal Chemistry, 2017, 60, 7043-7066.	2.9	23
21	Inhibition of Poly(ADP-Ribose) Polymerase Enhances the Toxicity of ¹³¹I-Metaiodobenzylguanidine/Topotecan Combination Therapy to Cells and Xenografts That Express the Noradrenaline Transporter. Journal of Nuclear Medicine, 2012, 53, 1146-1154.	2.8	22
22	Radioprotective gene therapy through retroviral expression of manganese superoxide dismutase. Journal of Gene Medicine, 2006, 8, 557-565.	1.4	21
23	Optimizing MIBG therapy of neuroendocrine tumors: preclinical evidence of dose maximization and synergy. Nuclear Medicine and Biology, 2008, 35, S9-S20.	0.3	20
24	Plasma Metabolomics Identifies Lipid and Amino Acid Markers of Weight Loss in Patients with Upper Gastrointestinal Cancer. Cancers, 2019, 11, 1594.	1.7	19
25	The detailed characterisation of a 400 kb cosmid walk in the BRCA1 region: identification and localisation of 10 genes including a dual-specificity phosphatase. Human Molecular Genetics, 1994, 3, 1927-1934.	1.4	17
26	Screening for molecular pathologies in Lesch-Nyhan syndrome. Human Mutation, 1993, 2, 127-130.	1.1	16
27	In Vivo Evaluation of a Cancer Therapy Strategy Combining HSV1716-Mediated Oncolysis with Gene Transfer and Targeted Radiotherapy. Journal of Nuclear Medicine, 2012, 53, 647-654.	2.8	16
28	Preclinical Assessment of Strategies for Enhancement of Metaiodobenzylguanidine Therapy of Neuroendocrine Tumors. Seminars in Nuclear Medicine, 2011, 41, 334-344.	2.5	14
29	Application of Targeted Radiotherapy/Gene Therapy to Bladder Cancer Cell Lines. European Urology, 2005, 47, 250-256.	0.9	13
30	A Transfectant Mosaic Xenograft Model for Evaluation of Targeted Radiotherapy in Combination with Gene Therapy In Vivo. Journal of Nuclear Medicine, 2007, 48, 1519-1526.	2.8	12
31	Comparison of Radiohaloanalogues of Meta-Iodobenzylguanidine (MIBG) for a Combined Gene- and Targeted Radiotherapy Approach to Bladder Carcinoma. Medicinal Chemistry, 2005, 1, 611-618.	0.7	9
32	Radiosensitization of noradrenaline transporter-expressing tumour cells by proteasome inhibitors and the role of reactive oxygen species. EJNMMI Research, 2013, 3, 73.	1.1	8
33	Gene manipulation to enhance MIBG-targeted radionuclide therapy. Nuclear Medicine and Biology, 2005, 32, 749-753.	0.3	7
34	Determining the prognostic significance of IKKÎ± in prostate cancer. Prostate, 2020, 80, 1188-1202.	1.2	5
35	Gamma Irradiation and Targeted Radionuclides Enhance the Expression of the Noradrenaline Transporter Transgene Controlled by the Radio-Inducible p21WAF1/CIP1 Promoter. Radiation Research, 2013, 179, 282.	0.7	3
36	Principles of Molecular Targeting for Radionuclide Therapy. , 2017, , 35-65.		1

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37	Expression in UVW glioma cells of the noradrenaline transporter gene, driven by the telomerase RNA promoter, induces active uptake of [131I]MIBG and clonogenic cell kill. , 0, .		1
38	6â€...Parallel assessment of cell viability in cardiac and cancer cells following treatment with sunitinib. , 2018, , .		0
39	Principles of Molecular Targeting for Radionuclide Therapy. , 2016, , 1-31.		0