

Michael K Schultz

List of Publications by Year in descending order

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55
papers

1,923
citations

279701

23
h-index

254106

43
g-index

58
all docs

58
docs citations

58
times ranked

2844
citing authors

#	ARTICLE	IF	CITATIONS
1	Radiobiology of Targeted Alpha Therapy. , 2022, , 380-403.		0
2	Radiopharmaceutical Chemistry and Drug Developmentâ€”What's Changed?. Seminars in Radiation Oncology, 2021, 31, 3-11.	1.0	11
3	N-alkyl triphenylvinylpyridinium conjugated dihydroartemisinin perturbs mitochondrial functions resulting in enhanced cancer versus normal cell toxicity. Free Radical Biology and Medicine, 2021, 165, 421-434.	1.3	2
4	Targeted Alpha-Particle Radiotherapy and Immune Checkpoint Inhibitors Induces Cooperative Inhibition on Tumor Growth of Malignant Melanoma. Cancers, 2021, 13, 3676.	1.7	13
5	Sources and Health Impacts of Chronic Exposure to Naturally Occurring Radioactive Material of Geologic Origins. , 2021, , 403-428.		0
6	Disulfiram causes selective hypoxic cancer cell toxicity and radio-chemo-sensitization via redox cycling of copper. Free Radical Biology and Medicine, 2020, 150, 1-11.	1.3	22
7	²⁰³ / ₂₁₂ Pb Theranostic Radiopharmaceuticals for Image-guided Radionuclide Therapy for Cancer. Current Medicinal Chemistry, 2020, 27, 7003-7031.	1.2	23
8	Triphenylphosphonium derivatives disrupt metabolism and inhibit melanoma growth in vivo when delivered via a thermosensitive hydrogel. PLoS ONE, 2020, 15, e0244540.	1.1	6
9	Enhancing the Efficacy of Melanocortin 1 Receptor-Targeted Radiotherapy by Pharmacologically Upregulating the Receptor in Metastatic Melanoma. Molecular Pharmaceutics, 2019, 16, 3904-3915.	2.3	20
10	High content screening identifies monensin as an EMT-selective cytotoxic compound. Scientific Reports, 2019, 9, 1200.	1.6	25
11	⁹⁰ Y-DOTATOC Dosimetryâ€”Based Personalized Peptide Receptor Radionuclide Therapy. Journal of Nuclear Medicine, 2018, 59, 1692-1698.	2.8	36
12	Modeling Cell and Tumor-Metastasis Dosimetry with the Particle and Heavy Ion Transport Code System (PHITS) Software for Targeted Alpha-Particle Radionuclide Therapy. Radiation Research, 2018, 190, 236.	0.7	18
13	Optimizing the radiosynthesis of [⁶⁸ Ga]DOTA-MLN6907 peptide containing three disulfide cyclization bonds â€” a GCC specific chelate for clinical radiopharmaceuticals. Applied Radiation and Isotopes, 2018, 140, 333-341.	0.7	2
14	Localization of Unknown Primary Site with ⁶⁸ Ga-DOTATOC PET/CT in Patients with Metastatic Neuroendocrine Tumor. Journal of Nuclear Medicine, 2017, 58, 1054-1057.	2.8	29
15	Quantitation of lead-210 (²¹⁰ Pb) using lead-203 (²⁰³ Pb) as a â€œMasslessâ€•yield tracer. Journal of Environmental Radioactivity, 2017, 171, 93-98.	0.9	2
16	Automated cassette-based production of high specific activity [²⁰³ / ₂₁₂ Pb]peptide-based theranostic radiopharmaceuticals for image-guided radionuclide therapy for cancer. Applied Radiation and Isotopes, 2017, 127, 52-60.	0.7	36
17	Temporal characterization of flowback and produced water quality from a hydraulically fractured oil and gas well. Science of the Total Environment, 2017, 596-597, 369-377.	3.9	115
18	O ₂ â€” and H ₂ O ₂ -Mediated Disruption of Fe Metabolism Causes the Differential Susceptibility of NSCLC and GBM Cancer Cells to Pharmacological Ascorbate. Cancer Cell, 2017, 31, 487-500.e8.	7.7	316

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19	Recent Advancements in the Radiochemistry of Elements Pertaining to Select Nuclear Materials and Wastes. ACS Symposium Series, 2017, , 173-194.	0.5	0
20	Radiolabeling of DOTA-like conjugated peptides with generator-produced ⁶⁸ Ga and using NaCl-based cationic elution method. Nature Protocols, 2016, 11, 1057-1066.	5.5	46
21	Trace-Level Extraction Behavior of Actinide Elements by Aliphatic Alcohol Extractants in Mineral Acids: Insights into the Trace Solution Chemistry of Protactinium. Solvent Extraction and Ion Exchange, 2016, 34, 509-521.	0.8	5
22	Synthesis and Evaluation of Tetraarylethylene-based Mono-, Bis-, and Tris(pyridinium) Derivatives for Image-Guided Mitochondria-Specific Targeting and Cytotoxicity of Metastatic Melanoma Cells. Bioconjugate Chemistry, 2016, 27, 2424-2430.	1.8	25
23	Partitioning of naturally-occurring radionuclides (NORM) in Marcellus Shale produced fluids influenced by chemical matrix. Environmental Sciences: Processes and Impacts, 2016, 18, 456-463.	1.7	9
24	A chromatographic separation of neptunium and protactinium using 1-octanol impregnated onto a solid phase support. Journal of Radioanalytical and Nuclear Chemistry, 2016, 307, 59-67.	0.7	14
25	Radiosynthesis of clinical doses of ⁶⁸ Ga-DOTATATE (GalioMedix®, [®]) and validation of organic-matrix-based ⁶⁸ Ge/ ⁶⁸ Ga generators. Nuclear Medicine and Biology, 2016, 43, 19-26.	0.3	22
26	Mitochondrial-Targeted Decyl-Triphenylphosphonium Enhances 2-Deoxy-D-Glucose Mediated Oxidative Stress and Clonogenic Killing of Multiple Myeloma Cells. PLoS ONE, 2016, 11, e0167323.	1.1	14
27	Understanding the Radioactive Ingrowth and Decay of Naturally Occurring Radioactive Materials in the Environment: An Analysis of Produced Fluids from the Marcellus Shale. Environmental Health Perspectives, 2015, 123, 689-696.	2.8	53
28	A calculation model for liquid-liquid extraction of protactinium by 2,6-dimethyl-4-heptanol. Nukleonika, 2015, 60, 837-845.	0.3	2
29	Naturally-Occurring Radioactive Materials (NORM) Associated with Unconventional Drilling for Shale Gas. ACS Symposium Series, 2015, , 89-128.	0.5	8
30	Monitoring radionuclides in subsurface drinking water sources near unconventional drilling operations: a pilot study. Journal of Environmental Radioactivity, 2015, 142, 24-28.	0.9	11
31	Radiolabeling optimization and characterization of ⁶⁸ Ga labeled DOTA- [®] polyamido-amine dendrimer conjugate [®] Animal biodistribution and PET imaging results. Applied Radiation and Isotopes, 2015, 105, 40-46.	0.7	41
32	Investigation of the tritium content in surface water, bottom sediments (zoobenthos), macrophytes, and fish in the mid-stream region of the Yenisei River (Siberia, Russia). Environmental Science and Pollution Research, 2015, 22, 18127-18136.	2.7	4
33	Separation of gallium and actinides in plutonium nuclear materials by extraction chromatography. Journal of Radioanalytical and Nuclear Chemistry, 2015, 303, 123-130.	0.7	4
34	A simple-rapid method to separate uranium, thorium, and protactinium for U-series age-dating of materials. Journal of Environmental Radioactivity, 2014, 134, 66-74.	0.9	36
35	Locally Targeted Delivery of a Micron-Size Radiation Therapy Source Using Temperature-Sensitive Hydrogel. International Journal of Radiation Oncology Biology Physics, 2014, 88, 1142-1147.	0.4	11
36	Matrix Complications in the Determination of Radium Levels in Hydraulic Fracturing Flowback Water from Marcellus Shale. Environmental Science and Technology Letters, 2014, 1, 204-208.	3.9	61

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37	A new automated NaCl based robust method for routine production of gallium-68 labeled peptides. <i>Applied Radiation and Isotopes</i> , 2013, 76, 46-54.	0.7	57
38	Repeatability of Gallium-68 DOTATOC Positron Emission Tomographic Imaging in Neuroendocrine Tumors. <i>Pancreas</i> , 2013, 42, 937-943.	0.5	23
39	Click-Cyclized 68Ga-Labeled Peptides for Molecular Imaging and Therapy: Synthesis and Preliminary In Vitro and In Vivo Evaluation in a Melanoma Model System. <i>Recent Results in Cancer Research</i> , 2013, 194, 149-175.	1.8	17
40	An Increasing Role for 68Ga PET Imaging: A Perspective on the Availability of Parent 68Ge Material for Generator Manufacturing in an Expanding Market. <i>Journal of Postgraduate Medicine Education and Research</i> , 2013, 47, 26-30.	0.1	7
41	Simplified NaCl Based ⁶⁸ Ga Concentration and Labeling Procedure for Rapid Synthesis of ⁶⁸ Ga Radiopharmaceuticals in High Radiochemical Purity. <i>Bioconjugate Chemistry</i> , 2012, 23, 1712-1717.	1.8	110
42	Preparation of a Versatile Bifunctional Zeolite for Targeted Imaging Applications. <i>Langmuir</i> , 2011, 27, 2904-2909.	1.6	26
43	Improved synthesis and biological evaluation of chelator-modified \pm -MSH analogs prepared by copper-free click chemistry. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 5757-5761.	1.0	26
44	Synthesis and radiolabeling of chelator-RNA aptamer bioconjugates with copper-64 for targeted molecular imaging. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 4080-4090.	1.4	79
45	A DOTA-peptide conjugate by copper-free click chemistry. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 4805-4807.	1.0	35
46	Synthesis of a DOTA-Biotin Conjugate for Radionuclide Chelation via Cu-Free Click Chemistry. <i>Organic Letters</i> , 2010, 12, 2398-2401.	2.4	62
47	Investigation of the pharmacokinetics of $^{3\text{-deoxy-}^{18}\text{F}}$ fluorothymidine uptake in the bone marrow before and early after initiation of chemoradiation therapy in head and neck cancer. <i>Nuclear Medicine and Biology</i> , 2010, 37, 433-438.	0.3	19
48	Kinetic Analysis of $^{3\text{-deoxy-}^{18}\text{F}}$ -Fluorothymidine (18F-FLT) in Head and Neck Cancer Patients Before and Early After Initiation of Chemoradiation Therapy. <i>Journal of Nuclear Medicine</i> , 2009, 50, 1028-1035.	2.8	77
49	A performance evaluation of 90Y dose-calibrator measurements in nuclear pharmacies and clinics in the United States. <i>Applied Radiation and Isotopes</i> , 2008, 66, 252-260.	0.7	8
50	An assessment of radionuclidic impurities of ²¹⁰ Po produced via neutron irradiation of ²⁰⁹ Bi for use in targeted alpha-particle radiotherapy. <i>Applied Radiation and Isotopes</i> , 2007, 65, 784-792.	0.7	3
51	Assessing the ²¹⁰ At impurity in the production of ²¹¹ At for radiotherapy by ²¹⁰ Po analysis via isotope dilution alpha spectrometry. <i>Applied Radiation and Isotopes</i> , 2006, 64, 1365-1369.	0.7	15
52	Enrichment of Excess ²¹⁰ Po in Anoxic Ponds. <i>Environmental Science & Technology</i> , 2005, 39, 4894-4899.	4.6	29
53	Optimizing the removal of carbon phases in soils and sediments for sequential chemical extractions by coulometry. <i>Journal of Environmental Monitoring</i> , 1999, 1, 183-190.	2.1	18
54	Evaluation of a sequential extraction method for determining actinide fractionation in soils and sediments. <i>Journal of Environmental Radioactivity</i> , 1998, 40, 155-174.	0.9	106

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55	Radionuclide flow during the conversion of phosphogypsum to ammonium sulfate. Journal of Environmental Radioactivity, 1996, 32, 33-51.	0.9	57