

Michael K Schultz

List of Publications by Year in descending order

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55
papers

1,923
citations

279487

23
h-index

253896

43
g-index

58
all docs

58
docs citations

58
times ranked

2844
citing authors

#	ARTICLE	IF	CITATIONS
1	O ₂ and H ₂ O ₂ -Mediated Disruption of Fe Metabolism Causes the Differential Susceptibility of NSCLC and GBM Cancer Cells to Pharmacological Ascorbate. <i>Cancer Cell</i> , 2017, 31, 487-500.e8.	7.7	316
2	Temporal characterization of flowback and produced water quality from a hydraulically fractured oil and gas well. <i>Science of the Total Environment</i> , 2017, 596-597, 369-377.	3.9	115
3	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
4	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
5	Synthesis and radiolabeling of chelator- ⁶⁴ Cu aptamer bioconjugates with copper-64 for targeted molecular imaging. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 4080-4090.	1.4	79
6	Kinetic Analysis of ³ -Deoxy- ³ - ¹⁸ 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
7	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
8	Matrix Complications in the Determination of Radium Levels in Hydraulic Fracturing Flowback Water from Marcellus Shale. <i>Environmental Science and Technology Letters</i> , 2014, 1, 204-208.	3.9	61
9	Radionuclide flow during the conversion of phosphogypsum to ammonium sulfate. <i>Journal of Environmental Radioactivity</i> , 1996, 32, 33-51.	0.9	57
10	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
11	Understanding the Radioactive Ingrowth and Decay of Naturally Occurring Radioactive Materials in the Environment: An Analysis of Produced Fluids from the Marcellus Shale. <i>Environmental Health Perspectives</i> , 2015, 123, 689-696.	2.8	53
12	Radiolabeling of DOTA-like conjugated peptides with generator-produced ⁶⁸ Ga and using NaCl-based cationic elution method. <i>Nature Protocols</i> , 2016, 11, 1057-1066.	5.5	46
13	Radiolabeling optimization and characterization of ⁶⁸ Ga labeled DOTA-polyamido-amine dendrimer conjugate. Animal biodistribution and PET imaging results. <i>Applied Radiation and Isotopes</i> , 2015, 105, 40-46.	0.7	41
14	A simple-rapid method to separate uranium, thorium, and protactinium for U-series age-dating of materials. <i>Journal of Environmental Radioactivity</i> , 2014, 134, 66-74.	0.9	36
15	Automated cassette-based production of high specific activity [²⁰³ Pb]peptide-based theranostic radiopharmaceuticals for image-guided radionuclide therapy for cancer. <i>Applied Radiation and Isotopes</i> , 2017, 127, 52-60.	0.7	36
16	⁹⁰ Y-DOTATOC Dosimetry-Based Personalized Peptide Receptor Radionuclide Therapy. <i>Journal of Nuclear Medicine</i> , 2018, 59, 1692-1698.	2.8	36
17	A DOTA-peptide conjugate by copper-free click chemistry. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 4805-4807.	1.0	35
18	Enrichment of Excess ²¹⁰ Po in Anoxic Ponds. <i>Environmental Science & Technology</i> , 2005, 39, 4894-4899.	4.6	29

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19	Localization of Unknown Primary Site with ⁶⁸ Ga-DOTATOC PET/CT in Patients with Metastatic Neuroendocrine Tumor. <i>Journal of Nuclear Medicine</i> , 2017, 58, 1054-1057.	2.8	29
20	Preparation of a Versatile Bifunctional Zeolite for Targeted Imaging Applications. <i>Langmuir</i> , 2011, 27, 2904-2909.	1.6	26
21	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
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. <i>Bioconjugate Chemistry</i> , 2016, 27, 2424-2430.	1.8	25
23	High content screening identifies monensin as an EMT-selective cytotoxic compound. <i>Scientific Reports</i> , 2019, 9, 1200.	1.6	25
24	Repeatability of Gallium-68 DOTATOC Positron Emission Tomographic Imaging in Neuroendocrine Tumors. <i>Pancreas</i> , 2013, 42, 937-943.	0.5	23
25	²⁰³ / ²¹² Pb Theranostic Radiopharmaceuticals for Image-guided Radionuclide Therapy for Cancer. <i>Current Medicinal Chemistry</i> , 2020, 27, 7003-7031.	1.2	23
26	Radiosynthesis of clinical doses of ⁶⁸ Ga-DOTATATE (GalioMedix [®] , C) and validation of organic-matrix-based ⁶⁸ Ge/ ⁶⁸ Ga generators. <i>Nuclear Medicine and Biology</i> , 2016, 43, 19-26.	0.3	22
27	Disulfiram causes selective hypoxic cancer cell toxicity and radio-chemo-sensitization via redox cycling of copper. <i>Free Radical Biology and Medicine</i> , 2020, 150, 1-11.	1.3	22
28	Enhancing the Efficacy of Melanocortin 1 Receptor-Targeted Radiotherapy by Pharmacologically Upregulating the Receptor in Metastatic Melanoma. <i>Molecular Pharmaceutics</i> , 2019, 16, 3904-3915.	2.3	20
29	Investigation of the pharmacokinetics of $3\text{d}^2\text{-deoxy-}3\text{d}^2\text{-[18F]fluorothymidine}$ 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
30	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
31	Modeling Cell and Tumor-Metastasis Dosimetry with the Particle and Heavy Ion Transport Code System (PHITS) Software for Targeted Alpha-Particle Radionuclide Therapy. <i>Radiation Research</i> , 2018, 190, 236.	0.7	18
32	Click-Cyclized ⁶⁸ Ga-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
33	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
34	A chromatographic separation of neptunium and protactinium using 1-octanol impregnated onto a solid phase support. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2016, 307, 59-67.	0.7	14
35	Mitochondrial-Targeted Decyl-Triphenylphosphonium Enhances 2-Deoxy-D-Glucose Mediated Oxidative Stress and Clonogenic Killing of Multiple Myeloma Cells. <i>PLoS ONE</i> , 2016, 11, e0167323.	1.1	14
36	Targeted Alpha-Particle Radiotherapy and Immune Checkpoint Inhibitors Induces Cooperative Inhibition on Tumor Growth of Malignant Melanoma. <i>Cancers</i> , 2021, 13, 3676.	1.7	13

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37	Locally Targeted Delivery of a Micron-Size Radiation Therapy Source Using Temperature-Sensitive Hydrogel. <i>International Journal of Radiation Oncology Biology Physics</i> , 2014, 88, 1142-1147.	0.4	11
38	Monitoring radionuclides in subsurface drinking water sources near unconventional drilling operations: a pilot study. <i>Journal of Environmental Radioactivity</i> , 2015, 142, 24-28.	0.9	11
39	Radiopharmaceutical Chemistry and Drug Development—What's Changed?. <i>Seminars in Radiation Oncology</i> , 2021, 31, 3-11.	1.0	11
40	Partitioning of naturally-occurring radionuclides (NORM) in Marcellus Shale produced fluids influenced by chemical matrix. <i>Environmental Sciences: Processes and Impacts</i> , 2016, 18, 456-463.	1.7	9
41	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
42	Naturally-Occurring Radioactive Materials (NORM) Associated with Unconventional Drilling for Shale Gas. <i>ACS Symposium Series</i> , 2015, , 89-128.	0.5	8
43	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
44	Triphenylphosphonium derivatives disrupt metabolism and inhibit melanoma growth in vivo when delivered via a thermosensitive hydrogel. <i>PLoS ONE</i> , 2020, 15, e0244540.	1.1	6
45	Trace-Level Extraction Behavior of Actinide Elements by Aliphatic Alcohol Extractants in Mineral Acids: Insights into the Trace Solution Chemistry of Protactinium. <i>Solvent Extraction and Ion Exchange</i> , 2016, 34, 509-521.	0.8	5
46	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). <i>Environmental Science and Pollution Research</i> , 2015, 22, 18127-18136.	2.7	4
47	Separation of gallium and actinides in plutonium nuclear materials by extraction chromatography. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2015, 303, 123-130.	0.7	4
48	An assessment of radionuclidic impurities of 210Po produced via neutron irradiation of 209Bi for use in targeted alpha-particle radiotherapy. <i>Applied Radiation and Isotopes</i> , 2007, 65, 784-792.	0.7	3
49	A calculation model for liquid-liquid extraction of protactinium by 2,6-dimethyl-4-heptanol. <i>Nukleonika</i> , 2015, 60, 837-845.	0.3	2
50	Quantitation of lead-210 (210 Pb) using lead-203 (203 Pb) as a “Massless” yield tracer. <i>Journal of Environmental Radioactivity</i> , 2017, 171, 93-98.	0.9	2
51	Optimizing the radiosynthesis of [68Ga]DOTA-MLN6907 peptide containing three disulfide cyclization bonds—a GCC specific chelate for clinical radiopharmaceuticals. <i>Applied Radiation and Isotopes</i> , 2018, 140, 333-341.	0.7	2
52	N-alkyl triphenylvinylpyridinium conjugated dihydroartemisinin perturbs mitochondrial functions resulting in enhanced cancer versus normal cell toxicity. <i>Free Radical Biology and Medicine</i> , 2021, 165, 421-434.	1.3	2
53	Recent Advancements in the Radiochemistry of Elements Pertaining to Select Nuclear Materials and Wastes. <i>ACS Symposium Series</i> , 2017, , 173-194.	0.5	0
54	Sources and Health Impacts of Chronic Exposure to Naturally Occurring Radioactive Material of Geologic Origins. , 2021, , 403-428.		0

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55	Radiobiology of Targeted Alpha Therapy. , 2022, , 380-403.		0