

# Urs O Häfeli

## List of Publications by Year in descending order

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132  
papers

7,306  
citations

101543

36  
h-index

58581

82  
g-index

137  
all docs

137  
docs citations

137  
times ranked

11139  
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal nanoparticles: understanding the mechanisms behind antibacterial activity. <i>Journal of Nanobiotechnology</i> , 2017, 15, 65.	9.1	1,487
2	Magnetic fluid hyperthermia: Focus on superparamagnetic iron oxide nanoparticles. <i>Advances in Colloid and Interface Science</i> , 2011, 166, 8-23.	14.7	1,125
3	A new approach for the in vitro identification of the cytotoxicity of superparamagnetic iron oxide nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 75, 300-309.	5.0	264
4	Cell Uptake and <i>in Vitro</i> Toxicity of Magnetic Nanoparticles Suitable for Drug Delivery. <i>Molecular Pharmaceutics</i> , 2009, 6, 1417-1428.	4.6	242
5	Magnetically modulated therapeutic systems. <i>International Journal of Pharmaceutics</i> , 2004, 277, 19-24.	5.2	232
6	Suppression of Prostate Carcinogenesis by Dietary Supplementation of Celecoxib in Transgenic Adenocarcinoma of the Mouse Prostate Model. <i>Cancer Research</i> , 2004, 64, 3334-3343.	0.9	169
7	Superparamagnetic Iron Oxide Nanoparticles with Rigid Cross-linked Polyethylene Glycol Fumarate Coating for Application in Imaging and Drug Delivery. <i>Journal of Physical Chemistry C</i> , 2009, 113, 8124-8131.	3.1	164
8	Crucial Ignored Parameters on Nanotoxicology: The Importance of Toxicity Assay Modifications and "Cell Vision". <i>PLoS ONE</i> , 2012, 7, e29997.	2.5	154
9	Preparation and radiolabeling of surface-modified magnetic nanoparticles with rhenium-188 for magnetic targeted radiotherapy. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 277, 165-174.	2.3	141
10	In vitro and in vivo toxicity of magnetic microspheres. <i>Journal of Magnetism and Magnetic Materials</i> , 1999, 194, 76-82.	2.3	135
11	Focused Magnetic Stem Cell Targeting to the Retina Using Superparamagnetic Iron Oxide Nanoparticles. <i>Cell Transplantation</i> , 2012, 21, 1137-1148.	2.5	123
12	A micromechanical comparison of human and porcine skin before and after preservation by freezing for medical device development. <i>Scientific Reports</i> , 2016, 6, 32074.	3.3	113
13	Effective targeting of magnetic radioactive <sup>90</sup> Y-microspheres to tumor cells by an externally applied magnetic field. Preliminary in vitro and in vivo results. <i>Nuclear Medicine and Biology</i> , 1995, 22, 147-155.	0.6	107
14	Tomographic magnetic particle imaging of cancer targeted nanoparticles. <i>Nanoscale</i> , 2017, 9, 18723-18730.	5.6	107
15	Multiphysics Flow Modeling and in Vitro Toxicity of Iron Oxide Nanoparticles Coated with Poly(vinyl) Tj ETQq1 1 0.784314 rgBT /Over	3.1	85
16	Preparation of biodegradable magnetic microspheres with poly(lactic acid)-coated magnetite. <i>Journal of Magnetism and Magnetic Materials</i> , 2009, 321, 1356-1363.	2.3	85
17	Integrated hollow microneedle-optofluidic biosensor for therapeutic drug monitoring in sub-nanoliter volumes. <i>Scientific Reports</i> , 2016, 6, 29075.	3.3	76
18	Thiol-ene Based Polymers as Versatile Materials for Microfluidic Devices for Life Sciences Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 10080-10095.	8.0	73

#	ARTICLE	IF	CITATIONS
19	Novel Lignin-Capped Silver Nanoparticles against Multidrug-Resistant Bacteria. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 22098-22109.	8.0	67
20	Development and evaluation of a dual-modality (MRI/SPECT) molecular imaging bioprobe. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2012, 8, 1007-1016.	3.3	66
21	Utilization of nanoparticles as X-ray contrast agents for diagnostic imaging applications. <i>Contrast Media and Molecular Imaging</i> , 2015, 10, 81-95.	0.8	65
22	Hepatic tumor radioembolization in a rat model using radioactive rhenium ( <sup>186</sup> Re/ <sup>188</sup> Re) glass microspheres. <i>International Journal of Radiation Oncology Biology Physics</i> , 1999, 44, 189-199.	0.8	64
23	Continuously manufactured magnetic polymersomes – a versatile tool (not only) for targeted cancer therapy. <i>Nanoscale</i> , 2013, 5, 11385.	5.6	61
24	In vivo evaluation of a microneedle-based miniature syringe for intradermal drug delivery. <i>Biomedical Microdevices</i> , 2009, 11, 943-950.	2.8	60
25	Modeling of magnetic bandages for drug targeting: Button vs. Halbach arrays. <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 311, 323-329.	2.3	57
26	Magnetically directed poly(lactic acid)90Y-microspheres: Novel agents for targeted intracavitary radiotherapy. <i>Journal of Biomedical Materials Research Part B</i> , 1994, 28, 901-908.	3.1	53
27	Magnetizable needles and wires—modeling an efficient way to target magnetic microspheres in vivo. <i>Biorheology</i> , 2004, 41, 599-612.	0.4	53
28	Optical method for measurement of magnetophoretic mobility of individual magnetic microspheres in defined magnetic field. <i>Journal of Magnetism and Magnetic Materials</i> , 2005, 293, 224-239.	2.3	52
29	Arrays of hollow out-of-plane microneedles made by metal electrodeposition onto solvent cast conductive polymer structures. <i>Journal of Micromechanics and Microengineering</i> , 2013, 23, 085011.	2.6	52
30	Synergistic cytotoxic effects of zoledronic acid and radiation in human prostate cancer and myeloma cell lines. <i>International Journal of Radiation Oncology Biology Physics</i> , 2005, 61, 535-542.	0.8	49
31	Hyperbranched Polyglycerols as Trimodal Imaging Agents: Design, Biocompatibility, and Tumor Uptake. <i>Bioconjugate Chemistry</i> , 2012, 23, 372-381.	3.6	45
32	Uniform polymer microspheres: monodispersity criteria, methods of formation and applications. <i>Nanomedicine</i> , 2013, 8, 265-285.	3.3	44
33	On the consensus nomenclature rules for radiopharmaceutical chemistry – Reconsideration of radiochemical conversion. <i>Nuclear Medicine and Biology</i> , 2021, 93, 19-21.	0.6	43
34	Stability of biodegradable radioactive rhenium (Re-186 and Re-188) microspheres after neutron-activation. <i>Applied Radiation and Isotopes</i> , 2001, 54, 869-879.	1.5	42
35	A Comprehensive Review on the Pharmacokinetics of Antibiotics in Interstitial Fluid Spaces in Humans: Implications on Dosing and Clinical Pharmacokinetic Monitoring. <i>Clinical Pharmacokinetics</i> , 2014, 53, 695-730.	3.5	41
36	Long-circulating non-toxic blood pool imaging agent based on hyperbranched polyglycerols. <i>International Journal of Pharmaceutics</i> , 2012, 422, 418-427.	5.2	38

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37	Heterogeneous distribution of trastuzumab in HER2-positive xenografts and metastases: role of the tumor microenvironment. <i>Clinical and Experimental Metastasis</i> , 2018, 35, 691-705.	3.3	38
38	Microfluidic-Based Synthesis of Magnetic Nanoparticles Coupled with Miniaturized NMR for Online Relaxation Studies. <i>Analytical Chemistry</i> , 2018, 90, 9975-9982.	6.5	38
39	Preparation and properties of radioactive rhenium glass microspheres intended for in vivo radioembolization therapy. , 1998, 42, 617-625.		37
40	Lung Perfusion Imaging with Monosized Biodegradable Microspheres. <i>Biomacromolecules</i> , 2010, 11, 561-567.	5.4	37
41	A microneedle-based method for the characterization of diffusion in skin tissue using doxorubicin as a model drug. <i>Biomedical Microdevices</i> , 2015, 17, 9967.	2.8	37
42	Process and formulation variables in the preparation of injectable and biodegradable magnetic microspheres. <i>Biomagnetic Research and Technology</i> , 2007, 5, 2.	2.0	36
43	Hollow Out-of-Plane Polymer Microneedles Made by Solvent Casting for Transdermal Drug Delivery. <i>Journal of Microelectromechanical Systems</i> , 2012, 21, 44-52.	2.5	36
44	“Magnetic bandages”™ for targeted delivery of therapeutic agents. <i>Journal of Physics Condensed Matter</i> , 2006, 18, S2877-S2891.	1.8	35
45	Therapeutic Drug Monitoring in Interstitial Fluid: A Feasibility Study Using a Comprehensive Panel of Drugs. <i>Journal of Pharmaceutical Sciences</i> , 2012, 101, 4642-4652.	3.3	35
46	H <sub>4</sub> octox: Versatile Bimodal Octadentate Acyclic Chelating Ligand for Medicinal Inorganic Chemistry. <i>Journal of the American Chemical Society</i> , 2018, 140, 15487-15500.	13.7	32
47	Monosized Polymeric Microspheres Designed for Passive Lung Targeting: Biodistribution and Pharmacokinetics after Intravenous Administration. <i>ACS Nano</i> , 2020, 14, 6693-6706.	14.6	32
48	Radiolabeling of Biodegradable Polymeric Microspheres with [ <sup>99m</sup> Tc(CO) <sub>3</sub> ] <sup>+</sup> and <i>in Vivo</i> Biodistribution Evaluation using MicroSPECT/CT Imaging. <i>Bioconjugate Chemistry</i> , 2009, 20, 1209-1217.	3.6	29
49	Effective Control of Molds Using a Combination of Nanoparticles. <i>PLoS ONE</i> , 2017, 12, e0169940.	2.5	28
50	Evaluation of <sup>111</sup> In labeled antibodies for SPECT imaging of mesothelin expressing tumors. <i>Nuclear Medicine and Biology</i> , 2011, 38, 885-896.	0.6	27
51	A new tetrapodal 3-hydroxy-4-pyridinone ligand for complexation of <sup>89</sup> Zirconium for positron emission tomography (PET) imaging. <i>Dalton Transactions</i> , 2017, 46, 9654-9663.	3.3	27
52	Development of a Coflowing Device for the Size-Controlled Preparation of Magnetic-Polymeric Microspheres as Embolization Agents in Magnetic Resonance Navigation Technology. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 1092-1102.	5.2	27
53	Quantitative comparison of three widely-used pulmonary administration methods in vivo with radiolabeled inhalable nanoparticles. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2020, 152, 108-115.	4.3	27
54	Magnetic Resonance Navigation for Targeted Embolization in a Two-Level Bifurcation Phantom. <i>Annals of Biomedical Engineering</i> , 2019, 47, 2402-2415.	2.5	26

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55	Electrospun magnetic nanofibre mats – A new bondable biomaterial using remotely activated magnetic heating. <i>Journal of Magnetism and Magnetic Materials</i> , 2015, 380, 330-334.	2.3	25
56	Development and Validation of an Artificial Mechanical Skin Model for the Study of Interactions between Skin and Microneedles. <i>Macromolecular Materials and Engineering</i> , 2016, 301, 306-314.	3.6	25
57	A Comprehensive Study of Osteogenic Calcium Phosphate Silicate Cement: Material Characterization and In Vitro/In Vivo Testing. <i>Advanced Healthcare Materials</i> , 2016, 5, 457-466.	7.6	25
58	Use of hydrodynamic flow focusing for the generation of biodegradable camptothecin-loaded polymer microspheres. <i>Journal of Pharmaceutical Sciences</i> , 2008, 97, 4943-4954.	3.3	23
59	A microfluidic spiral for size-dependent fractionation of magnetic microspheres. <i>Journal of Magnetism and Magnetic Materials</i> , 2012, 324, 3791-3798.	2.3	23
60	Osteogenic and anti-osteoporotic effects of risedronate-added calcium phosphate silicate cement. <i>Biomedical Materials (Bristol)</i> , 2016, 11, 045002.	3.3	23
61	Dual-Isotope SPECT/CT Imaging of the Tuberculosis Subunit Vaccine H56/CAF01: Induction of Strong Systemic and Mucosal IgA and T-Cell Responses in Mice Upon Subcutaneous Prime and Intrapulmonary Boost Immunization. <i>Frontiers in Immunology</i> , 2018, 9, 2825.	4.8	23
62	Electrodeposition of radioactive rhenium onto stents to prevent restenosis. <i>Biomaterials</i> , 1998, 19, 925-933.	11.4	22
63	Fibrin glue system for adjuvant brachytherapy of brain tumors with <sup>188</sup> Re and <sup>186</sup> Re-labeled microspheres. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2007, 65, 282-288.	4.3	22
64	Hybrid Metal-Phenol Nanoparticles with Polydopamine-like Coating for PET/SPECT/CT Imaging. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 10705-10718.	8.0	22
65	Radiolabelling of poly(histidine) derivatized biodegradable microspheres with the <sup>188</sup> Re tricarbonyl complex [ <sup>188</sup> Re(CO) <sub>3</sub> (H <sub>2</sub> O) <sub>3</sub> ] <sup>+</sup> . <i>Nuclear Medicine Communications</i> , 2005, 26, 453-458.	1.1	21
66	Nanoprobes for hybrid SPECT/MR molecular imaging. <i>Nanomedicine</i> , 2012, 7, 719-733.	3.3	21
67	Design considerations of a hollow microneedle-optofluidic biosensing platform incorporating enzyme-linked assays. <i>Journal of Micromechanics and Microengineering</i> , 2018, 28, 024002.	2.6	20
68	<sup>90</sup> Y-oxine-ethiodol, a potential radiopharmaceutical for the treatment of liver cancer. <i>Applied Radiation and Isotopes</i> , 2003, 58, 567-573.	1.5	19
69	One to chelate them all: investigation of a versatile, bifunctional chelator for <sup>64</sup> Cu, <sup>99m</sup> Tc, Re and Co. <i>Dalton Transactions</i> , 2011, 40, 6253.	3.3	19
70	Effects of chemical and physical parameters in the generation of microspheres by hydrodynamic flow focusing. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 87, 361-368.	5.0	19
71	Radioembolization of Hepatocellular Carcinoma with Built-In Dosimetry: First <i>in vivo</i> Results with Uniformly-Sized, Biodegradable Microspheres Labeled with <sup>188</sup> Re. <i>Theranostics</i> , 2019, 9, 868-883.	10.0	19
72	Chloroform compatible, thiol-ene based replica molded micro chemical devices as an alternative to glass microfluidic chips. <i>Lab on A Chip</i> , 2019, 19, 798-806.	6.0	18

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73	Preparation, characterization, release kinetics, and <i>in vitro</i> cytotoxicity of calcium silicate cement as a risedronate delivery system. <i>Journal of Biomedical Materials Research - Part A</i> , 2014, 102, 2295-2304.	4.0	17
74	Selective embolization with magnetized microbeads using magnetic resonance navigation in a controlled-flow liver model. <i>Medical Physics</i> , 2019, 46, 789-799.	3.0	16
75	Simulation and experimental determination of the online separation of blood components with the help of microfluidic cascading spirals. <i>Biomicrofluidics</i> , 2015, 9, 044110.	2.4	15
76	H <sub>2</sub> CX <sub>hox</sub> : Rigid Cyclohexane-Reinforced Nonmacrocylic Chelating Ligand for [nat/67/68Ga]Ga <sup>3+</sup> . <i>Inorganic Chemistry</i> , 2020, 59, 4895-4908.	4.0	15
77	Dosimetry of a W-188/Re-188 beta line source for endovascular brachytherapy. <i>Medical Physics</i> , 2000, 27, 668-675.	3.0	14
78	One-pot syntheses, coordination, and characterization of application-specific biodegradable ligand-polymers. <i>Dalton Transactions</i> , 2007, , 4439.	3.3	14
79	Facile microwave synthesis of uniform magnetic nanoparticles with minimal sample processing. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 421, 283-291.	2.3	14
80	Refinement and validation of infrared thermal imaging (IRT): a non-invasive technique to measure disease activity in a mouse model of rheumatoid arthritis. <i>Arthritis Research and Therapy</i> , 2020, 22, 281.	3.5	14
81	Preparation and characterization of radioactive Co/188Re stents intended for lung cancer treatment using an electrodeposition method. <i>Journal of Medical Engineering and Technology</i> , 2004, 28, 197-204.	1.4	13
82	Production of monodispersed magnetic polymeric microspheres in a microfluidic chip and 3D simulation. <i>Microfluidics and Nanofluidics</i> , 2016, 20, 1.	2.2	13
83	Evaluation of the Tetrakis(3-Hydroxy-4-Pyridinone) Ligand THPN with Zirconium(IV): Thermodynamic Solution Studies, Bifunctionalization, and <i>in Vivo</i> Assessment of Macromolecular 89Zr-THPN-Conjugates. <i>Inorganic Chemistry</i> , 2019, 58, 14667-14681.	4.0	13
84	MRI-Compatible Injection System for Magnetic Microparticle Embolization. <i>IEEE Transactions on Biomedical Engineering</i> , 2019, 66, 2331-2340.	4.2	13
85	Magnetically Targeted Microspheres for Intracavitary and Intraspinal Y-90 Radiotherapy. , 1997, , 501-516.		13
86	Radiolabeling of magnetic targeted carriers (MTC) with indium-111. <i>Nuclear Medicine and Biology</i> , 2003, 30, 761-769.	0.6	12
87	Magnetic iron particles with high magnetization useful for immunoassay. <i>Journal of Magnetism and Magnetic Materials</i> , 2009, 321, 1676-1678.	2.3	12
88	188Re image performance assessment using small animal multi-pinhole SPECT/PET/CT system. <i>Physica Medica</i> , 2017, 33, 26-37.	0.7	12
89	Characterization of alendronic- and undecylenic acid coated magnetic nanoparticles for the targeted delivery of rosiglitazone to subcutaneous adipose tissue. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017, 13, 559-568.	3.3	12
90	Poly(lactide-co-glycolide) Nanoparticles Mediate Sustained Gene Silencing and Improved Biocompatibility of siRNA Delivery Systems in Mouse Lungs after Pulmonary Administration. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 3722-3737.	8.0	12

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91	A single microfluidic chip with dual surface properties for protein drug delivery. <i>International Journal of Pharmaceutics</i> , 2017, 521, 84-91.	5.2	11
92	Biodegradable magnetic microspheres for drug targeting, temperature controlled drug release, and hyperthermia. <i>Current Directions in Biomedical Engineering</i> , 2019, 5, 161-164.	0.4	11
93	Targeted Delivery of Magnetic Cobalt Nanoparticles to the Eye Following Systemic Administration. <i>AIP Conference Proceedings</i> , 2010, , .	0.4	10
94	Comparison of vancomycin concentrations in blood and interstitial fluid: a possible model for less invasive therapeutic drug monitoring. <i>Clinical Chemistry and Laboratory Medicine</i> , 2011, 49, 2123-5.	2.3	10
95	Continuous form-dependent focusing of non-spherical microparticles in a highly diluted suspension with the help of microfluidic spirals. <i>Physics of Fluids</i> , 2018, 30, .	4.0	10
96	Microfluidic approaches for the production of monodisperse, superparamagnetic microspheres in the low micrometer size range. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 471, 286-293.	2.3	10
97	Using in vitro lipolysis and SPECT/CT in vivo imaging to understand oral absorption of fenofibrate from lipid-based drug delivery systems. <i>Journal of Controlled Release</i> , 2020, 317, 375-384.	9.9	10
98	Design, Synthesis, and Imaging of Small Amphiphilic Rhenium and <sup>99m</sup> Tc Tricarbonyl Complexes. <i>Bioconjugate Chemistry</i> , 2009, 20, 1002-1009.	3.6	9
99	Radiolabeling of fab and f(ab <sup>2</sup> ) antibody fragments with <sup>99m</sup> Tc(I) tricarbonyl core using a new bifunctional tridentate ligand. <i>Nuclear Medicine Communications</i> , 2011, 32, 324-329.	1.1	9
100	Multi-modal magnetic resonance imaging and histology of vascular function in xenografts using macromolecular contrast agent hyperbranched polyglycerol (HPG-GdF). <i>Contrast Media and Molecular Imaging</i> , 2016, 11, 77-88.	0.8	9
101	Quantitative SPECT imaging and biodistribution point to molecular weight independent tumor uptake for some long-circulating polymer nanocarriers. <i>RSC Advances</i> , 2018, 8, 5586-5595.	3.6	9
102	Influence of Iron Oxide Nanoparticles on Innate and Genetically Modified Secretion Profiles of Mesenchymal Stem Cells. <i>IEEE Transactions on Magnetics</i> , 2013, 49, 389-393.	2.1	8
103	Temperature controlled camptothecin release from biodegradable magnetic PLGA microspheres. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 469, 698-703.	2.3	8
104	Rapid microwave-based method for the preparation of antimicrobial lignin-capped silver nanoparticles active against multidrug-resistant bacteria. <i>International Journal of Pharmaceutics</i> , 2021, 596, 120299.	5.2	8
105	Parenchymal cell proliferation in coronary arteries after percutaneous transluminal coronary angioplasty: a human tissue bank study. <i>International Journal of Radiation Oncology Biology Physics</i> , 1999, 45, 963-968.	0.8	7
106	The biocompatibility and toxicity of magnetic particles. <i>Laboratory Techniques in Biochemistry and Molecular Biology</i> / Edited By T S Work [and] E Work, 2007, , 163-223.	0.2	7
107	Accuracy of Rhenium-188 SPECT/CT activity quantification for applications in radionuclide therapy using clinical reconstruction methods. <i>Physics in Medicine and Biology</i> , 2017, 62, 6379-6396.	3.0	7
108	Fractionation of Magnetic Microspheres in a Microfluidic Spiral: Interplay between Magnetic and Hydrodynamic Forces. <i>PLoS ONE</i> , 2017, 12, e0169919.	2.5	7



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109	Navigation of Microrobots by MRI: Impact of Gravitational, Friction and Thrust Forces on Steering Success. <i>Annals of Biomedical Engineering</i> , 2021, 49, 3724-3736.	2.5	7
110	Dual SPECT imaging of <sup>111</sup> In and <sup>67</sup> Ga to simultaneously determine <i>in vivo</i> the pharmacokinetics of different radiopharmaceuticals: a quantitative tool in pre-clinical research. <i>Physics in Medicine and Biology</i> , 2018, 63, 235029.	3.0	6
111	Comparison of Rhenium and Iodine as Contrast Agents in X-Ray Imaging. <i>Contrast Media and Molecular Imaging</i> , 2021, 2021, 1-15.	0.8	6
112	Development of an automated electroplater and dosimetry system for the electrodeposition and quality control of radioactive stents. <i>Applied Radiation and Isotopes</i> , 2004, 61, 1313-1321.	1.5	5
113	Bioimaging and Biodistribution of the Metal-Ion Controlled Self-Assembly of PYY 36 Studied by SPECT/CT. <i>ChemBioChem</i> , 2020, 21, 3338-3348.	2.6	5
114	SPECT/CT Imaging of <sup>111</sup> Ag for the Preclinical Evaluation of Silver-Based Antimicrobial Nanomedicines. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 26382-26393.	8.0	5
115	Self-absorption correction for <sup>32</sup> P, <sup>198</sup> Au and <sup>188</sup> Re stents: Dose point kernel calculations versus Monte Carlo. <i>Medical Physics</i> , 2001, 28, 1883-1897.	3.0	4
116	Accuracy, reproducibility, and uncertainty analysis of thyroid probe-based activity measurements for determination of dose calibrator settings. <i>Medical Physics</i> , 2016, 43, 6309-6321.	3.0	4
117	An Ultra-High Performance Liquid Chromatography-Tandem Mass Spectrometry Method for the Quantification of Vancomycin Requiring Only 2 µL of Rabbit Serum. <i>American Journal of Analytical Chemistry</i> , 2017, 08, 553-563.	0.9	4
118	Modeling rhenium-186 and rhenium-188 distribution in a neutron-activated rhenium wire and effect of the distribution on beta dosimetry in a water phantom. <i>Applied Radiation and Isotopes</i> , 1999, 51, 543-549.	1.5	3
119	Multifunctional nanocarriers for biomedical applications. , 2013, , .		2
120	Precise measurement of intradermal fluid delivery using a low activity technetium-99m pertechnetate tracer. <i>Vaccine</i> , 2019, 37, 7463-7469.	3.8	2
121	Future Advances in Diagnosis and Drug Delivery in Interventional Radiology Using MR Imaging-Steered Theranostic Iron Oxide Nanoparticles. <i>Journal of Vascular and Interventional Radiology</i> , 2021, 32, 1292-1295.e1.	0.5	2
122	Simultaneous SPECT imaging with <sup>123</sup> I and <sup>125</sup> I - a practical approach to assessing a drug and its carrier at the same time with dual imaging. <i>International Journal of Pharmaceutics</i> , 2021, 606, 120884.	5.2	2
123	Metal-ion coordinated self-assembly of human insulin directs kinetics of insulin release as determined by preclinical SPECT/CT imaging. <i>Journal of Controlled Release</i> , 2022, 343, 347-360.	9.9	2
124	In response to DRS. Parikh and Nori. <i>International Journal of Radiation Oncology Biology Physics</i> , 2000, 47, 261-263.	0.8	1
125	Local Application of Beta-Particle Radiation to Reduce Venous Anastomotic Intimal Hyperplasia in Polytetrafluoroethylene Arteriovenous Fistulas. <i>Vascular Surgery</i> , 2000, 34, 377-383.	0.3	1
126	Novel chelator containing particles specific for controlled radioisotope delivery. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2001, 44, S838.	1.0	1



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127	Study of the Binding Capacity of Heparin Functionalized Magnetic Microparticles for Cardiac Lipoprotein Lipase and their Preliminary Evaluation Ex Vivo in Rat Hearts. , 2010, , .		1
128	Fabrication of hollow microneedle arrays using electrodeposition of metal onto solvent cast conductive polymer structures. , 2013, , .		1
129	Preparation of Heat-Denatured Macroaggregated Albumin for Biomedical Applications Using a Microfluidics Platform. ACS Biomaterials Science and Engineering, 2021, 7, 2823-2834.	5.2	1
130	Preparation and properties of radioactive rhenium glass microspheres intended for in vivo radioembolization therapy. Journal of Biomedical Materials Research Part B, 1998, 42, 617-625.	3.1	1
131	A microfluidic chip for size dependent fractionation of magnetic microspheres for magnetic drug targeting. Biomedizinische Technik, 2012, 57, .	0.8	0
132	Analysis of Microspheres in Living Cells by Confocal Microscopy. , 1997, , 149-161.		0