Ashutosh Dash

List of Publications by Year
in descending order

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221	3,205	218677	254184
papers	citations	26 h-index	43 g-index

224	224	224	2444
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Production of 177Lu for Targeted Radionuclide Therapy: Available Options. Nuclear Medicine and Molecular Imaging, 2015, 49, 85-107.	1.0	200
2	Sustained Availability of ^{99m}Tc: Possible Paths Forward. Journal of Nuclear Medicine, 2013, 54, 313-323.	5.0	113
3	Peptide Receptor Radionuclide Therapy: An Overview. Cancer Biotherapy and Radiopharmaceuticals, 2015, 30, 47-71.	1.0	97
4	Development of an electrochemical 90Srâ€“90Y generator for separation of 90Y suitable for targeted therapy. Nuclear Medicine and Biology, 2008, 35, 245-253.	0.6	84
5	Targeted Radionuclide Therapy - An Overview. Current Radiopharmaceuticals, 2013, 6, 152-180.	0.8	75
6	99Mo/99mTc separation: An assessment of technology options. Nuclear Medicine and Biology, 2013, 40, 167-176.	0.6	69
7	Rhenium-188: Availability from the 188W/188Re Generator and Status of Current Applications. Current Radiopharmaceuticals, 2012, 5, 228-243.	0.8	67
8	⁶⁴Cu²⁺ Ions as PET Probe: An Emerging Paradigm in Molecular Imaging of Cancer. Molecular Pharmaceutics, 2016, 13, 3601-3612.	4.6	59
9	Availability of Yttrium-90 from Strontium-90: A Nuclear Medicine Perspective. Cancer Biotherapy and Radiopharmaceuticals, 2012, 27, 621-641.	1.0	57
10	Nanoceria-PAN Composite-Based Advanced Sorbent Material: A Major Step Forward in the Field of Clinical-Grade ⁶⁸Ge/⁶⁸Ga Generator. ACS Applied Materials & Interfaces, 2010, 2, 2069-2075.	8.0	54
11	Development of a nano-zirconia based 68Ge/68Ga generator for biomedical applications. Nuclear Medicine and Biology, 2011, 38, 575-583.	0.6	49
12	Detailed evaluation on the effect of metal ion impurities on complexation of generator eluted 68Ga with different bifunctional chelators. Nuclear Medicine and Biology, 2013, 40, 197-205.	0.6	47
13	Molecular Imaging of Breast Cancer: Role of RGD Peptides. Mini-Reviews in Medicinal Chemistry, 2015, 15, 1073-1094.	2.4	47
14	An electro-amalgamation approach to isolate no-carrier-added 177Lu from neutron irradiated Yb for biomedical applications. Nuclear Medicine and Biology, 2010, 37, 811-820.	0.6	45
15	Polymer Embedded Nanocrystalline Titania Sorbent for ⁹⁹Mo-^{99m}Tc Generator. Journal of Nanoscience and Nanotechnology, 2008, 8, 4447-4452.	0.9	42
16	Practicality of Tetragonal Nano-Zirconia as a Prospective Sorbent in the Preparation of 99Mo/99mTc Generator for Biomedical Applications. Chromatographia, 2010, 72, 875-884.	1.3	42
17	Radiopharmaceuticals for Therapy. , 2016, , .		42
18	Preparation of clinical-scale 99Mo/99mTc column generator using neutron activated low specific activity 99Mo and nanocrystalline Î³-Al2O3 as column matrix. Nuclear Medicine and Biology, 2012, 39, 916-922.	0.6	38

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19	Radiolabeled inorganic nanoparticles for positron emission tomography imaging of cancer: an overview. Quarterly Journal of Nuclear Medicine and Molecular Imaging, 2017, 61, 181-204.	0.7	37
20	On the practical aspects of large-scale production of 177Lu for peptide receptor radionuclide therapy using direct neutron activation of 176Lu in a medium flux research reactor: the Indian experience. Journal of Radioanalytical and Nuclear Chemistry, 2014, 302, 233-243.	1.5	35
21	A novel electrochemical technique for the production of clinical grade 99mTc using (n, Î³)99Mo. Nuclear Medicine and Biology, 2010, 37, 21-28.	0.6	31
22	Mesoporous Alumina (MA) Based Double Column Approach for Development of a Clinical Scale ⁹⁹Mo/^{99m}Tc Generator Using (n,Î³)⁹⁹Mo: An Enticing Application of Nanomaterial. Industrial & Engineering Chemistry Research, 2013, 52, 11673-11684.	3.7	31
23	Ammonium molybdophosphate impregnated alumina microspheres as a new generation sorbent for chromatographic 137Cs/137mBa generator. Journal of Chromatography A, 2012, 1220, 82-91.	3.7	30
24	Nanocrystalline zirconia: A novel sorbent for the preparation of 188W/188Re generator. Applied Radiation and Isotopes, 2010, 68, 229-238.	1.5	29
25	Role of Nanoporous Materials in Radiochemical Separations for Biomedical Applications. Journal of Nanoscience and Nanotechnology, 2013, 13, 2431-2450.	0.9	29
26	Development of Single Vial Kits for Preparation of 68Ga-Labelled Peptides for PET Imaging of Neuroendocrine Tumours. Molecular Imaging and Biology, 2014, 16, 550-557.	2.6	27
27	Detailed evaluation of different <scp>⁶⁸Ge/⁶⁸Ga</scp> generators: an attempt toward achieving efficient <scp>⁶⁸Ga</scp> radiopharmacy. Journal of Labelled Compounds and Radiopharmaceuticals, 2016, 59, 87-94.	1.0	27
28	Exploitation of Nano Alumina for the Chromatographic Separation of Clinical Grade ¹⁸⁸Re from ¹⁸⁸W: A Renaissance of the ¹⁸⁸W/¹⁸⁸Re Generator Technology. Analytical Chemistry, 2011, 83, 6342-6348.	6.5	26
29	Characterization of subsurface processes estimation of reservoir temperature in Tural Rajwadi geothermal fields, Maharashtra, India. Geothermics, 2016, 59, 77-89.	3.4	25
30	Electrochemical Separation is an Attractive Strategy for Development of Radionuclide Generators for Medical Applications. Current Radiopharmaceuticals, 2012, 5, 271-287.	0.8	25
31	Radiolanthanide-loaded agglomerated Fe₃O₄nanoparticles for possible use in the treatment of arthritis: formulation, characterization and evaluation in rats. Journal of Materials Chemistry B, 2015, 3, 5455-5466.	5.8	24
32	68Ga-NOTA-ubiquicidin fragment for PET imaging of infection: From bench to bedside. Journal of Pharmaceutical and Biomedical Analysis, 2018, 159, 245-251.	2.8	24
33	Separation of Clinical Grade 188Re from 188W Using Polymer Embedded Nanocrystalline Titania. Chromatographia, 2009, 69, 1363-1372.	1.3	23
34	Long-Term Evaluation of â€˜BARC⁶⁸Ge/⁶⁸Ga Generatorâ€™ Based on the Nanoceria-Polyacrylonitrile Composite Sorbent. Cancer Biotherapy and Radiopharmaceuticals, 2013, 28, 631-637.	1.0	23
35	Preparation, evaluation, and first clinical use of ¹⁷⁷Luâ€labeled hydroxyapatite (HA) particles in the treatment of rheumatoid arthritis: utility of cold kits for convenient dose formulation at hospital radiopharmacy. Journal of Labelled Compounds and Radiopharmaceuticals, 2014, 57, 453-462.	1.0	22
36	A novel 188W/188Re electrochemical generator with potential for medical applications. Radiochimica Acta, 2009, 97, .	1.2	21

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37	Pivotal role of separation chemistry in the development of radionuclide generators to meet clinical demands. RSC Advances, 2014, 4, 42779-42803.	3.6	21
38	Synthesis and Preclinical Evaluation of¹⁷⁷Lu-CHX-Aâ€•DTPA-Rituximab as a Radioimmunotherapeutic Agent for Non-Hodgkin's Lymphoma. Cancer Biotherapy and Radiopharmaceuticals, 2015, 30, 240-246.	1.0	21
39	Nanomaterial-based adsorbents: the prospect of developing new generation radionuclide generators to meet future research and clinical demands. Journal of Radioanalytical and Nuclear Chemistry, 2014, 299, 741-757.	1.5	20
40	The Practicality of Nanoceria-PAN-Based ⁶⁸Ge/⁶⁸Ga Generator Toward Preparation of ⁶⁸Ga-Labeled Cyclic RGD Dimer as a Potential PET Radiotracer for Tumor Imaging. Cancer Biotherapy and Radiopharmaceuticals, 2013, 28, 77-83.	1.0	19
41	Synthesis and characterization of ammonium molybdophosphateâ€“silica nano-composite (AMPâ€“SiO2) as a prospective sorbent for the separation of 137Cs from nuclear waste. Journal of Radioanalytical and Nuclear Chemistry, 2014, 301, 409-415.	1.5	19
42	Prospects of medium specific activity ¹⁷⁷Lu in targeted therapy of prostate cancer using ¹⁷⁷Luâ€labeled PSMA inhibitor. Journal of Labelled Compounds and Radiopharmaceuticals, 2016, 59, 364-371.	1.0	19
43	Industrial-Scale Synthesis of Intrinsically Radiolabeled ⁶⁴CuS Nanoparticles for Use in Positron Emission Tomography (PET) Imaging of Cancer. Industrial & Engineering Chemistry Research, 2016, 55, 12407-12419.	3.7	19
44	Mechanochemical synthesis of mesoporous tin oxide: a new generation nanosorbent for ⁶⁸Ge/⁶⁸Ga generator technology. Dalton Transactions, 2016, 45, 13361-13372.	3.3	19
45	Radiolabeling and Preliminary Evaluation of Ga-68 Labeled NODAGA-Ubiquicidin Fragments for Prospective Infection Imaging. Molecular Imaging and Biology, 2017, 19, 59-67.	2.6	19
46	Electrochemical Separation: Promises, Opportunities, and Challenges To Develop Next-Generation Radionuclide Generators To Meet Clinical Demands. Industrial & Engineering Chemistry Research, 2014, 53, 3766-3777.	3.7	18
47	An overview of radioisotope separation technologies for development of ¹⁸⁸W/¹⁸⁸Re radionuclide generators providing ¹⁸⁸Re to meet future research and clinical demands. RSC Advances, 2015, 5, 39012-39036.	3.6	18
48	Diversification of ⁹⁹Mo/^{99m}Tc Separation: Nonâ€“Fission Reactor Production of ⁹⁹Mo as a Strategy for Enhancing ^{99m}Tc Availability. Journal of Nuclear Medicine, 2015, 56, 159-161.	5.0	18
49	Gallium-68 labeled Ubiquicidin derived octapeptide as a potential infection imaging agent. Nuclear Medicine and Biology, 2018, 62-63, 47-53.	0.6	18
50	Development of a new design 125I-brachytherapy seed for its application in the treatment of eye and prostate cancer. Applied Radiation and Isotopes, 2009, 67, 1421-1425.	1.5	17
51	A systematic comparative evaluation of ⁹⁰Yâ€labeled bifunctional chelators for their use in targeted therapy. Journal of Labelled Compounds and Radiopharmaceuticals, 2014, 57, 65-74.	1.0	17
52	Solid state synthesis of mesoporous alumina: A viable strategy for preparation of an advanced nanosorbent for 99Mo/99mTc generator technology. Microporous and Mesoporous Materials, 2019, 287, 271-279.	4.4	17
53	Evaluating the potential of kit-based 68Ga-ubiquicidin formulation in diagnosis of infection. Nuclear Medicine Communications, 2019, 40, 228-234.	1.1	17
54	An electrochemical method for the preparation of 63Ni source for the calibration of thermoluminescence dosimeter (TLD). Applied Radiation and Isotopes, 2009, 67, 1042-1049.	1.5	16

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55	Post-elution concentration of 188Re by an electrochemical method. Applied Radiation and Isotopes, 2010, 68, 2302-2305.	1.5	16
56	Synthesis and Biological Evaluation of ⁹⁰Y-Labeled Porphyrin-DOTA Conjugate: A Potential Molecule for Targeted Tumor Therapy. Cancer Biotherapy and Radiopharmaceuticals, 2013, 28, 651-656.	1.0	16
57	⁹⁰Y/¹⁷⁷Luâ€labelled Cetuximab immunoconjugates: radiochemistry optimization to clinical dose formulation. Journal of Labelled Compounds and Radiopharmaceuticals, 2016, 59, 354-363.	1.0	16
58	An electroamalgamation approach to separate⁴⁷Sc from neutron-activated⁴⁶Ca target for use in cancer theranostics. Separation Science and Technology, 2017, 52, 2363-2371.	2.5	16
59	Indirect Production of No Carrier Added (NCA) ¹⁷⁷Lu from Irradiation of Enriched ¹⁷⁶Yb: Options for Ytterbium/Lutetium Separation. Current Radiopharmaceuticals, 2015, 8, 107-118.	0.8	16
60	Radiochemistry, pre-clinical studies and first clinical investigation of 90 Y-labeled hydroxyapatite (HA) particles prepared utilizing 90 Y produced by (n,Î³) route. Nuclear Medicine and Biology, 2015, 42, 455-464.	0.6	15
61	A systematic study on the utility of CHX-Aâ€™â€™-DTPA-NCS and NOTA-NCS as bifunctional chelators for 177 Lu radiopharmaceuticals. Applied Radiation and Isotopes, 2017, 127, 1-6.	1.5	15
62	Smart YPO₄:Erâ€“Yb Nanophosphor for Optical Heating, Hyperthermia, Security Ink, Cancer Endoradiotherapy, and Uranyl Recovery. ACS Applied Nano Materials, 2021, 4, 850-860.	5.0	15
63	Preparation of a 90Sr-90Y generator using zirconium antimonate. Applied Radiation and Isotopes, 1994, 45, 415-417.	1.5	14
64	Development of technology for the large-scale preparation of 60Co polymer film source. Applied Radiation and Isotopes, 2008, 66, 1825-1829.	1.5	14
65	Aspects of yield and specific activity of (n,Î³) produced 177Lu used in targeted radionuclide therapy. Journal of Radioanalytical and Nuclear Chemistry, 2014, 302, 809-812.	1.5	14
66	Clinical 68Ga-PET: Is radiosynthesis module an absolute necessity?. Nuclear Medicine and Biology, 2017, 46, 1-11.	0.6	14
67	Radionuclide generators: the prospect of availing PET radiotracers to meet current clinical needs and future research demands. American Journal of Nuclear Medicine and Molecular Imaging, 2019, 9, 30-66.	1.0	14
68	Bioevaluation studies of 32P incorporated mould brachytherapy sources for potential application in treatment of superficial tumors. Nuclear Medicine Communications, 2008, 29, 717-723.	1.1	13
69	Comparative Assessment of Nanostructured Metal Oxides: A Potential Step Forward to Develop Clinically Useful⁹⁹Mo/^{99m}Tc Generators using (n,Î³)⁹⁹Mo. Separation Science and Technology, 2014, 49, 1825-1837.	2.5	13
70	Reactor production and electrochemical purification of 169Er: A potential step forward for its utilization in in vivo therapeutic applications. Nuclear Medicine and Biology, 2014, 41, 163-170.	0.6	13
71	Integrin Î±_vÎ²₃ as a Promising Target to Image Neoangiogenesis Using In-House Generator-Produced Positron Emitter ⁶⁸Ga-Labeled DOTA-Arginine-Glycine-Aspartic Acid (RGD) Ligand. Cancer Biotherapy and Radiopharmaceuticals, 2015, 30, 217-224.	1.0	13
72	Preparation and preclinical evaluation of ¹³¹Iâ€trastuzumab for breast cancer. Journal of Labelled Compounds and Radiopharmaceuticals, 2017, 60, 12-19.	1.0	13

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73	Comparative Evaluation of Using NOTA and DOTA Derivatives as Bifunctional Chelating Agents in the Preparation of ⁶⁸Ga-Labeled Porphyrin: Impact on Pharmacokinetics and Tumor Uptake in a Mouse Model. Cancer Biotherapy and Radiopharmaceuticals, 2018, 33, 8-16.	1.0	13
74	Multidose formulation of ready-to-use 177Lu-PSMA-617 in a centralized radiopharmacy set-up. Applied Radiation and Isotopes, 2018, 139, 91-97.	1.5	13
75	Facile radiochemical separation of clinical-grade 90Y from 90Sr by selective precipitation for targeted radionuclide therapy. Nuclear Medicine and Biology, 2019, 68-69, 58-65.	0.6	13
76	⁶⁴CuCl₂ produced by direct neutron activation route as a cost-effective probe for cancer imaging: the journey has begun. RSC Advances, 2015, 5, 91723-91733.	3.6	12
77	A multi-isotope approach (O, H, C, S, B and Sr) to understand the source of water and solutes in some the thermal springs from West Coast geothermal area, India. Arabian Journal of Geosciences, 2017, 10, 1.	1.3	12
78	Preparation of 177Lu-Trastuzumab injection for treatment of breast cancer. Applied Radiation and Isotopes, 2019, 148, 184-190.	1.5	12
79	Targeted Radionuclide Therapy of Painful Bone Metastases: Past Developments, Current Status, Recent Advances and Future Directions. Current Medicinal Chemistry, 2020, 27, 3187-3249.	2.4	12
80	Synthesis and ion-exchange properties of zirconium molybdoarsenate (ZrMAs). Journal of Radioanalytical and Nuclear Chemistry, 1994, 188, 323-330.	1.5	11
81	Studies on the preparation and plasma spherodization of yttrium aluminosilicate glass microspheres for their potential application in liver brachytherapy. Journal of Physics: Conference Series, 2010, 208, 012117.	0.4	11
82	On the application of electrochemical techniques for the preparation of ⁵⁷Co source core, encapsulation and quality evaluation for radiometric assay of nuclear fuel rods. Radiochimica Acta, 2011, 99, 103-111.	1.2	11
83	Recovery of¹³⁷Cs from Laboratory Waste using Solvent Extraction with Sodium Tetraphenylboron (TPB). Separation Science and Technology, 2012, 47, 81-88.	2.5	11
84	An electrochemical procedure to concentrate 99mTc availed from a zirconium [99Mo] molybdate gel generator. Applied Radiation and Isotopes, 2012, 70, 375-379.	1.5	11
85	131 I-Nimotuzumab â€“ A potential radioimmunotherapeutic agent in treatment of tumors expressing EGFR. Applied Radiation and Isotopes, 2015, 102, 98-102.	1.5	11
86	Development of a dry distillation technology for the production of 131I using medium flux reactor for radiopharmaceutical applications. Journal of Radioanalytical and Nuclear Chemistry, 2015, 303, 451-467.	1.5	11
87	Measurement of residence time distribution of liquid phase in an industrial-scale continuous pulp digester using radiotracer technique. Applied Radiation and Isotopes, 2016, 111, 10-17.	1.5	11
88	Evaluation of 177Lu-CHX-Aâ€²â€²-DTPA-Bevacizumab as a radioimmunotherapy agent targeting VEGF expressing cancers. Applied Radiation and Isotopes, 2016, 114, 196-201.	1.5	11
89	A systematic evaluation of the potential of PCTA-NCS ligand as a bifunctional chelating agent for design of 177Lu radiopharmaceuticals. Journal of Radioanalytical and Nuclear Chemistry, 2016, 307, 187-194.	1.5	11
90	Formulation and clinical translation of [¹⁷⁷Lu]Lu-trastuzumab for radioimmunotheranostics of metastatic breast cancer. RSC Medicinal Chemistry, 2021, 12, 263-277.	3.9	11

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91	Development of a 147Pm source for beta-backscatter thickness gauge applications. Applied Radiation and Isotopes, 2011, 69, 580-587.	1.5	10
92	Industrial radionuclide generators: a potential step towards accelerating radiotracer investigations in industry. RSC Advances, 2013, 3, 14890.	3.6	10
93	Studies on the development of 169 Yb-brachytherapy seeds: New generation brachytherapy sources for the management of cancer. Applied Radiation and Isotopes, 2015, 101, 75-82.	1.5	10
94	Nanomaterial-Based Adsorbent: Promises, Opportunities, and Challenges to Develop Column Chromatography Radionuclide Generators for Nuclear Medicine. Separation and Purification Reviews, 2017, 46, 91-107.	5.5	10
95	Isotopeâ€“geochemical characterization and geothermometrical modeling of Uttarakhand geothermal field, India. Environmental Earth Sciences, 2017, 76, 1.	2.7	10
96	Syntheses and evaluation of ⁶⁸Gaâ€•and ¹⁵³Smâ€labeled <scp>DOTA</scp>â€conjugated bisphosphonate ligand for potential use in detection of skeletal metastases and management of pain arising from skeletal metastases. Chemical Biology and Drug Design, 2018, 92, 1618-1626.	3.2	10
97	Preparation and preliminary bioevaluation studies of ⁶⁸Gaâ€NOTAâ€rituximab fragments as radioimmunoscintigraphic agents for nonâ€Hodgkin lymphoma. Journal of Labelled Compounds and Radiopharmaceuticals, 2019, 62, 850-859.	1.0	10
98	Preparation and clinical translation of^{99m}Tc-PSMA-11 for SPECT imaging of prostate cancer. MedChemComm, 2019, 10, 2111-2117.	3.4	10
99	A Facile, Viable Approach Toward the Preparation of 32P Patches for the Treatment of Skin Cancer. Cancer Biotherapy and Radiopharmaceuticals, 2011, 26, 665-670.	1.0	9
100	A novel electrochemical 99Mo/99mTc generator. Journal of Radioanalytical and Nuclear Chemistry, 2011, 290, 45-51.	1.5	9
101	Production of ¹²⁵I from Neutron Irradiation of Natural Xe Gas and a Wet Distillation Process for Radiopharmaceutical Applications. Industrial & Engineering Chemistry Research, 2012, 51, 8575-8582.	3.7	9
102	Nafionâ€“Zirconium Phosphate Composite Membrane: A New Approach to Prepare 32P Patches for Superficial Brachytherapy Applications. Cancer Biotherapy and Radiopharmaceuticals, 2012, 27, 276-284.	1.0	9
103	Nano Structured Metal Oxides as Potential Sorbents for¹⁸⁸W/¹⁸⁸Re Generator: A Comparative Study. Separation Science and Technology, 2013, 48, 607-616.	2.5	9
104	Single vial kit formulation for preparation of PET radiopharmaceutical: 68Ga-DOTA-TOC. Journal of Radioanalytical and Nuclear Chemistry, 2014, 302, 1253-1258.	1.5	9
105	Radiolanthanide-labeled HA particles in the treatment of rheumatoid arthritis: ready-to-use cold kits for rapid formulation in hospital radiopharmacy. Journal of Radioanalytical and Nuclear Chemistry, 2014, 302, 875-881.	1.5	9
106	Reactor production of 32P for medical applications: an assessment of 32S(n,p)32P and 31P(n,Î³)32P methods. Journal of Radioanalytical and Nuclear Chemistry, 2014, 301, 555-565.	1.5	9
107	Toward realization of â€˜mix-and-useâ€™ approach in 68 Ga radiopharmacy: preparation, evaluation and preliminary clinical utilization of 68 Ga-labeled NODAGA-coupled RGD peptide derivative. Nuclear Medicine and Biology, 2016, 43, 116-123.	0.6	9
108	Evaluation of groundwater tritium content and mixing behavior of Tatapani geothermal systems, Chhattisgarh, India. Journal of Radioanalytical and Nuclear Chemistry, 2017, 313, 617-623.	1.5	9

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109	Understanding water circulation with tritium tracer in the Tural-Rajwadi geothermal area, India. Applied Geochemistry, 2019, 109, 104373.	3.0	9
110	Studies on the separation of cesium-137 from the acidic fission product waste solutions on a new complex inorganic exchanger (Zrâ"P-APW). Journal of Radioanalytical and Nuclear Chemistry, 1994, 183, 371-377.	1.5	8
111	Fabrication of Cesium-137 Brachytherapy Sources Using Vitrification Technology. Cancer Biotherapy and Radiopharmaceuticals, 2009, 24, 489-502.	1.0	8
112	Development of a micro electrochemical cell for in-situ deposition of 63Ni for use in electron capture detector (ECD) in gas chromatography. Radiochimica Acta, 2011, 99, 733-741.	1.2	8
113	Development of a 99Mo/99mTc generator using alumina microspheres for industrial radiotracer applications. Applied Radiation and Isotopes, 2012, 70, 51-58.	1.5	8
114	Preparation of spherical 57Co source for the calibration of intra-operative gamma probe. Applied Radiation and Isotopes, 2012, 70, 167-170.	1.5	8
115	Large scale production of 51Cr for medical application in a medium flux research reactor: A comparative investigation of Szilardâ€"Chalmers process and direct (n,Î³) route. Applied Radiation and Isotopes, 2014, 91, 104-108.	1.5	8
116	In-house preparation of macroaggregated albumin (MAA) for 68Ga labeling and its comparison with commercially available MAA. Journal of Radioanalytical and Nuclear Chemistry, 2016, 308, 817-824.	1.5	8
117	Palliative care of bone pain due to skeletal metastases: Exploring newer avenues using neutron activated 45 Ca. Nuclear Medicine and Biology, 2016, 43, 140-149.	0.6	8
118	Development of 68Ga labeled human serum albumin for blood pool imaging: a comparison between two ligands. Journal of Radioanalytical and Nuclear Chemistry, 2017, 313, 661-668.	1.5	8
119	An electrochemical approach for removal of radionuclidic contaminants of Eu from 153 Sm for effective use in metastatic bone pain palliation. Nuclear Medicine and Biology, 2018, 58, 8-19.	0.6	8
120	Effect of Macro-Cyclic Bifunctional Chelators DOTA and NODAGA on Radiolabeling andIn VivoBiodistribution of Ga-68 Cyclic RGD Dimer. Cancer Biotherapy and Radiopharmaceuticals, 2019, 34, 427-435.	1.0	8
121	Effect of structural variation on tumor targeting efficacy of cationically charged porphyrin derivatives: Comparative in-vitro and in-vivo evaluation for possible potential in PET and PDT. European Journal of Medicinal Chemistry, 2021, 213, 113184.	5.5	8
122	Studies on the adsorption of 125I on bromide coated silver rods for the preparation of 125I-seeds for brachytherapy applications. Journal of Radioanalytical and Nuclear Chemistry, 2011, 290, 109-114.	1.5	7
123	Polymer Embedded Nanocrystalline Titania: A New Generation Sorbent for the Separation of 77As from Ge for Biomedical Applications. Chromatographia, 2011, 74, 531-540.	1.3	7
124	Development of a 125I source for its application in bone densitometry. Applied Radiation and Isotopes, 2012, 70, 470-477.	1.5	7
125	Brachytherapy of intra ocular tumors using â€²BARC I-125 Ocu-Prosta seedsâ€²: An Indian experience. Indian Journal of Ophthalmology, 2014, 62, 158.	1.1	7
126	Development of ⁶⁸Gaâ€labeled fatty acids for their potential use in cardiac metabolic imaging. Journal of Labelled Compounds and Radiopharmaceuticals, 2014, 57, 463-469.	1.0	7

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127	Synthesis and evaluation of a 68Ga labeled folic acid derivative for targeting folate receptors. Applied Radiation and Isotopes, 2016, 116, 77-84.	1.5	7
128	Reactor production of no-carrier-added¹⁹⁹Au for biomedical applications. RSC Advances, 2016, 6, 82832-82841.	3.6	7
129	68 Ga labeled fatty acids for cardiac metabolic imaging: Influence of different bifunctional chelators. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 5785-5791.	2.2	7
130	A â€œmixâ€andâ€•useâ€•approach for formulation of human clinical doses of ¹⁷⁷<scp>Luâ€DOTMP</scp> at hospital radiopharmacy for management of pain arising from skeletal metastases. Journal of Labelled Compounds and Radiopharmaceuticals, 2017, 60, 410-419.	1.0	7
131	Preclinical evaluation of 131 I-Bevacizumab â€“ A prospective agent for radioimmunotherapy in VEGF expressing cancers. Applied Radiation and Isotopes, 2017, 123, 109-113.	1.5	7
132	Multicomponent VersusÂClassical Geothermometry: Applicability of Both Geothermometers in a Medium-Enthalpy Geothermal System in India. Aquatic Geochemistry, 2019, 25, 91-108.	1.3	7
133	Preparation of ¹⁷⁷Luâ€labeled Nimotuzumab for radioimmunotherapy of EGFRâ€positive cancers: Comparison of DOTA and CHXâ€Aâ€³â€DTPA as bifunctional chelators. Journal of Labelled Compounds and Radiopharmaceuticals, 2019, 62, 158-165.	1.0	7
134	Ceâ€141â€labeled DOTMP: A theranostic option in management of pain due to skeletal metastases. Journal of Labelled Compounds and Radiopharmaceuticals, 2019, 62, 178-189.	1.0	7
135	Convenient Formulation of ⁶⁸Ga-BPAMD Patient Dose Using Lyophilized BPAMD Kit and ⁶⁸Ga Sourced from Different Commercial Generators for Imaging of Skeletal Metastases. Cancer Biotherapy and Radiopharmaceuticals, 2019, 34, 67-75.	1.0	7
136	The absorption of iodine-131 on a ceramic matrix. Journal of Radioanalytical and Nuclear Chemistry, 2004, 262, 703-705.	1.5	6
137	An Alumina Based 99Moâ€“99mTc Generator to Produce 99mTc in Organic Medium Suitable for Industrial Radiotracer Applications. Chromatographia, 2009, 69, 497-501.	1.3	6
138	Selective Area Chemical-Deposition Process: An Innovative and Facile Route to Prepare 147Pm Sources for Dust Monitors. Industrial & Engineering Chemistry Research, 2012, 51, 11147-11156.	3.7	6
139	Preparation of 137Cs Microspheres for Their Use in Computer Automated Radioactive Particle Tracking Studies. Industrial & Engineering Chemistry Research, 2012, 51, 4485-4492.	3.7	6
140	Indigenous ¹²⁵I Brachytherapy Source for the Management of Intraocular Melanomas in India. Cancer Biotherapy and Radiopharmaceuticals, 2013, 28, 21-28.	1.0	6
141	Re-emergence of the important role of radionuclide generators to provide diagnostic and therapeutic radionuclides to meet future research and clinical demands. Journal of Radioanalytical and Nuclear Chemistry, 2014, 302, 1053-1068.	1.5	6
142	Hydroxyapatite (HA) microparticles labeled with 32P â€“ A promising option in the radiation synovectomy for inflamed joints. Applied Radiation and Isotopes, 2016, 116, 85-91.	1.5	6
143	Synthesis, characterization and application of Au-198 nanoparticles as radiotracer for industrial applications. Applied Radiation and Isotopes, 2016, 111, 18-25.	1.5	6
144	Development of Semiautomated Module for Preparation of ¹³¹I Labeled Lipiodol for Liver Cancer Therapy. Cancer Biotherapy and Radiopharmaceuticals, 2017, 32, 33-37.	1.0	6

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