

Mukesh K Pandey

List of Publications by Year in descending order

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66
papers

1,946
citations

331259

21
h-index

264894

42
g-index

69
all docs

69
docs citations

69
times ranked

3230
citing authors

#	ARTICLE	IF	CITATIONS
1	An autoradiographic evaluation of AV-1451 Tau PET in dementia. <i>Acta Neuropathologica Communications</i> , 2016, 4, 58.	2.4	388
2	Widespread brain tau and its association with ageing, Braak stage and Alzheimer's dementia. <i>Brain</i> , 2018, 141, 271-287.	3.7	218
3	Glycogen Synthase Kinase-3 (GSK-3)-Targeted Therapy and Imaging. <i>Theranostics</i> , 2016, 6, 571-593.	4.6	141
4	Novel ⁸⁹ Zr cell labeling approach for PET-based cell trafficking studies. <i>EJNMMI Research</i> , 2015, 5, 19.	1.1	107
5	IRE1A Stimulates Hepatocyte-Derived Extracellular Vesicles That Promote Inflammation in Mice With Steatohepatitis. <i>Gastroenterology</i> , 2020, 159, 1487-1503.e17.	0.6	105
6	Cross-sectional associations of tau-PET signal with cognition in cognitively unimpaired adults. <i>Neurology</i> , 2019, 93, e29-e39.	1.5	62
7	Production of ⁸⁹ Zr via the ⁸⁹ Y(p,n) ⁸⁹ Zr reaction in aqueous solution: Effect of solution composition on in-target chemistry. <i>Nuclear Medicine and Biology</i> , 2014, 41, 309-316.	0.3	54
8	Design, synthesis and evaluation of novel PEGylated curcumin analogs as potent Nrf2 activators in human bronchial epithelial cells. <i>European Journal of Pharmaceutical Sciences</i> , 2011, 43, 16-24.	1.9	50
9	Synthesis and Preliminary Evaluation of ¹⁸ F-Fluoro-4-Thia-Oleate as a PET Probe of Fatty Acid Oxidation. <i>Journal of Nuclear Medicine</i> , 2010, 51, 1310-1317.	2.8	45
10	Structure-activity relationship of dihydroxy-4-methylcoumarins as powerful antioxidants: Correlation between experimental & theoretical data and synergistic effect. <i>Biochimie</i> , 2010, 92, 1089-1100.	1.3	42
11	Use of Superparamagnetic Iron Oxide Nanoparticles (SPIONs) via Multiple Imaging Modalities and Modifications to Reduce Cytotoxicity: An Educational Review. <i>Journal of Nanotheranostics</i> , 2020, 1, 105-135.	1.7	41
12	Cyclotron production of ⁶⁸ Ga in a liquid target: Effects of solution composition and irradiation parameters. <i>Nuclear Medicine and Biology</i> , 2019, 74-75, 49-55.	0.3	38
13	Synthesis of macromolecular systems via lipase catalyzed biocatalytic reactions: applications and future perspectives. <i>Chemical Society Reviews</i> , 2016, 45, 6855-6887.	18.7	37
14	Cyclotron production of (⁶⁸ Ga) via the (⁶⁸ Zn(p,n) ⁶⁸ Ga) reaction in aqueous solution. <i>American Journal of Nuclear Medicine and Molecular Imaging</i> , 2014, 4, 303-10.	1.0	36
15	Tracking and Therapeutic Value of Human Adipose Tissue-derived Mesenchymal Stem Cell Transplantation in Reducing Venous Neointimal Hyperplasia Associated with Arteriovenous Fistula. <i>Radiology</i> , 2016, 279, 513-522.	3.6	32
16	Improved production and processing of ⁸⁹ Zr using a solution target. <i>Nuclear Medicine and Biology</i> , 2016, 43, 97-100.	0.3	30
17	Synthesis of ¹⁸ F-Tetrafluoroborate via Radiofluorination of Boron Trifluoride and Evaluation in a Murine C6-Glioma Tumor Model. <i>Journal of Nuclear Medicine</i> , 2016, 57, 1454-1459.	2.8	27
18	Alkaloids from <i>Toddalia aculeata</i> . <i>Phytochemistry</i> , 2006, 67, 1005-1010.	1.4	26

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19	Preparation and Preliminary Evaluation of ⁶³ Zn-Zinc Citrate as a Novel PET Imaging Biomarker for Zinc. <i>Journal of Nuclear Medicine</i> , 2014, 55, 1348-1354.	2.8	25
20	Safety, pharmacokinetics, metabolism and radiation dosimetry of 18F-tetrafluoroborate (18F-TFB) in healthy human subjects. <i>EJNMMI Research</i> , 2017, 7, 90.	1.1	25
21	Biocatalytic Approach for the Synthesis of Glycerol-Based Macroamphiphiles and their Self-Assembly to Micellar Nanotransporters. <i>Macromolecular Chemistry and Physics</i> , 2010, 211, 239-244.	1.1	23
22	First PET Imaging Studies With ⁶³ Zn-Zinc Citrate in Healthy Human Participants and Patients With Alzheimer Disease. <i>Molecular Imaging</i> , 2016, 15, 153601211667379.	0.7	22
23	Specificities of acetoxy derivatives of coumarins, biscoumarins, chromones, flavones, isoflavones and xanthenes for acetoxy drug: Protein transacetylase. <i>European Journal of Medicinal Chemistry</i> , 2007, 42, 447-455.	2.6	21
24	Sensory response of pegylated and siloxanated 4,8-dimethylcoumarins: A fluorescence quenching study by nitro aromatics. <i>Sensors and Actuators B: Chemical</i> , 2010, 147, 105-110.	4.0	21
25	Novel PEGylated Amphiphilic Copolymers as Nanocarriers for Drug Delivery: Synthesis, Characterization and Curcumin Encapsulation. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2010, 47, 1154-1160.	1.2	21
26	Elevated medial temporal lobe and pervasive brain tau-PET signal in normal participants. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2018, 10, 210-216.	1.2	19
27	Design, synthesis and anti-inflammatory evaluation of PEGylated 4-methyl and 4,8-dimethylcoumarins. <i>European Journal of Pharmaceutical Sciences</i> , 2010, 39, 134-140.	1.9	18
28	Design and synthesis of perfluorinated amphiphilic copolymers: Smart nanomicelles for theranostic applications. <i>Polymer</i> , 2011, 52, 4727-4735.	1.8	18
29	Structure Dependence of Long-Chain [18F]Fluorothia Fatty Acids as Myocardial Fatty Acid Oxidation Probes. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 10674-10684.	2.9	17
30	Hepatocyte spheroids as an alternative to single cells for transplantation after ex vivo gene therapy in mice and pig models. <i>Surgery</i> , 2018, 164, 473-481.	1.0	16
31	Abnormal Levels of Metal Micronutrients and Autism Spectrum Disorder: A Perspective Review. <i>Frontiers in Molecular Neuroscience</i> , 2020, 13, 586209.	1.4	15
32	Design and Synthesis of Novel Pegylated 4-Methylcoumarins. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2007, 44, 1293-1298.	1.2	14
33	Microwave-assisted radiosynthesis of [18F]fluorinated fatty acid analogs. <i>Nuclear Medicine and Biology</i> , 2011, 38, 435-441.	0.3	14
34	Cloning, function, and localization of human, canine, and <i>Drosophila</i> ZIP10 (SLC39A10), a Zn ²⁺ transporter. <i>American Journal of Physiology - Renal Physiology</i> , 2019, 316, F263-F273.	1.3	14
35	[89Zr]Zr-DBN labeled cardiopoietic stem cells proficient for heart failure. <i>Nuclear Medicine and Biology</i> , 2020, 90-91, 23-30.	0.3	14
36	Development of a Clinically Relevant Reporter for Chimeric Antigen Receptor T-cell Expansion, Trafficking, and Toxicity. <i>Cancer Immunology Research</i> , 2021, 9, 1035-1046.	1.6	14

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37	Arylalkyl Ketones, Benzophenones, Desoxybenzoin and Chalcones Inhibit TNF α Induced Expression of ICAM-1: Structure-Activity Analysis. <i>Archiv Der Pharmazie</i> , 2012, 345, 368-377.	2.1	13
38	Cyclotron Production of PET Radiometals in Liquid Targets: Aspects and Prospects. <i>Current Radiopharmaceuticals</i> , 2021, 14, 325-339.	0.3	13
39	Evaluation of Zn, Cu, and Se Levels in the North American Autism Spectrum Disorder Population. <i>Frontiers in Molecular Neuroscience</i> , 2021, 14, 665686.	1.4	12
40	Synthesis of novel non-isoprenoid phenolic acids and 3-alkylpyridines. <i>Pure and Applied Chemistry</i> , 2005, 77, 185-193.	0.9	9
41	Synthesis and Characterization of Novel Amphiphilic Polymers as Drug Delivery Nano Carriers. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2008, 45, 931-937.	1.2	9
42	Synthesis and Preliminary Evaluation of ^{18}F -Fluorohexadecanoyl)ethanolamine (^{18}F -FHEA) as a PET Probe of ^{18}F -Acylethanolamine Metabolism in Mouse Brain. <i>ACS Chemical Neuroscience</i> , 2014, 5, 793-802.	1.7	9
43	Catechol-Based Functionalizable Ligands for Gallium-68 Positron Emission Tomography Imaging. <i>Inorganic Chemistry</i> , 2020, 59, 12025-12038.	1.9	9
44	Ex Vivo Cell Therapy by Ectopic Hepatocyte Transplantation Treats the Porcine Tyrosinemia Model of Acute Liver Failure. <i>Molecular Therapy - Methods and Clinical Development</i> , 2020, 18, 738-750.	1.8	8
45	Uptake of AV-1451 in meningiomas. <i>Annals of Nuclear Medicine</i> , 2017, 31, 736-743.	1.2	7
46	Design and Biocatalytic Synthesis of Pluronic-based Nanomicellar Self-assembly Systems for Drug Encapsulation Applications. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2010, 47, 788-793.	1.2	6
47	Non-invasive immunoPET imaging of PD-L1 using anti-PD-L1-B11 in breast cancer and melanoma tumor model. <i>Nuclear Medicine and Biology</i> , 2021, 100-101, 4-11.	0.3	6
48	Design, Synthesis, and Preliminary Evaluation of [^{68}Ga]Ga-NOTA-Insulin as a PET Probe in an Alzheimer's Disease Mouse Model. <i>Bioconjugate Chemistry</i> , 2022, 33, 892-906.	1.8	6
49	Enzymatically Synthesized Pegylated Polymers as Nanomicellar Drug Delivery Systems. <i>ACS Symposium Series</i> , 2008, , 204-224.	0.5	5
50	Synthesis and Characterization of Photoactive Amphiphilic Polymers. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2007, 44, 1283-1287.	1.2	4
51	Design and Lipase Catalyzed Synthesis of 4-Methylcoumarin-siloxane Hybrid Copolymers. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2008, 45, 925-930.	1.2	4
52	Amino Acid and Poly(Ethylene Glycol) Based Self-Organizing Polymeric Systems: Chemo-Enzymatic Synthesis and Characterization. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2008, 45, 957-962.	1.2	4
53	Synthesis of new bridgehead heterocycles: Pyrimido[3,4-d:2,3'-b']indoles. <i>Heteroatom Chemistry</i> , 2006, 17, 272-276.	0.4	3
54	Chemo-enzymatic Synthesis of Polydimethylsiloxane Curcumin Copolymer for Detection of Nitro-aromatics. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2014, 51, 399-404.	1.2	3

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55	Radiation induced oxidation of [¹⁸ F]fluorothia fatty acids under cGMP manufacturing conditions. Nuclear Medicine and Biology, 2020, 80-81, 13-23.	0.3	2
56	Unusual Increased Blood Pool Activity on ⁶⁸ Ga-DOTATATE PET/CT in a Patient With Metastatic Neuroendocrine Disease. Clinical Nuclear Medicine, 2022, 47, 137-139.	0.7	1
57	Editorial: Autism Spectrum Disorders and Metal Dyshomeostasis. Frontiers in Molecular Neuroscience, 2022, 15, 861483.	1.4	1
58	Synthesis of Novel Non-Isoprenoid Phenolic Acids and 3-Alkylpyridines. ChemInform, 2005, 36, no.	0.1	0
59	ICâ€1â€5: Neuropathologic Features of AV1451 TAU Pet Autoradiography in Dementia. Alzheimer's and Dementia, 2016, 12, P4.	0.4	0
60	Transformation of Natural Products into Synthetic Copolymers. Sustainable Agriculture Reviews, 2017, , 247-262.	0.6	0
61	5.28 Role of Metal Ion Dyshomeostasis in ASD: Evaluation of Copper, Zinc, and Selenium Levels in the North American ASD Population. Journal of the American Academy of Child and Adolescent Psychiatry, 2018, 57, S235.	0.3	0
62	Noninvasive evaluation of fat-carbohydrate metabolic switching in heart and contracting skeletal muscle. American Journal of Physiology - Endocrinology and Metabolism, 2019, 316, E251-E259.	1.8	0
63	Production of ⁸⁹ Zr from cyclotron using yttrium foil: a new target design. Nuclear Medicine and Biology, 2021, 96-97, S103.	0.3	0
64	Cloning, localization and characterization of a Zn transporter (Zip10) from fly, dog, and human (893.39). FASEB Journal, 2014, 28, 893.39.	0.2	0
65	Dynamic Imaging of Chimeric Antigen Receptor T Cells with [¹⁸ F]Tetrafluoroborate Positron Emission Tomography/Computed Tomography. Journal of Visualized Experiments, 2022, , .	0.2	0
66	A new solid target design for the production of Zr and radiosynthesis of high molar activity [⁸⁹ Zr]Zr-DBN.. American Journal of Nuclear Medicine and Molecular Imaging, 2022, 12, 15-24.	1.0	0