Mukesh K Pandey

List of Publications by Year
in descending order

66 papers	1,946 citations	331670 21 h-index	265206 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. Acta Neuropathologica Communications, 2016, 4, 58.	5.2	388
2	Widespread brain tau and its association with ageing, Braak stage and Alzheimerâ€™s dementia. Brain, 2018, 141, 271-287.	7.6	218
3	Glycogen Synthase Kinase-3 (GSK-3)-Targeted Therapy and Imaging. Theranostics, 2016, 6, 571-593.	10.0	141
4	Novel 89Zr cell labeling approach for PET-based cell trafficking studies. EJNMMI Research, 2015, 5, 19.	2.5	107
5	IRE1A Stimulates Hepatocyte-Derived Extracellular Vesicles That Promote Inflammation in Mice With Steatohepatitis. Gastroenterology, 2020, 159, 1487-1503.e17.	1.3	105
6	Cross-sectional associations of tau-PET signal with cognition in cognitively unimpaired adults. Neurology, 2019, 93, e29-e39.	1.1	62
7	Production of 89Zr via the 89Y(p,n)89Zr reaction in aqueous solution: Effect of solution composition on in-target chemistry. Nuclear Medicine and Biology, 2014, 41, 309-316.	0.6	54
8	Design, synthesis and evaluation of novel PEGylated curcumin analogs as potent Nrf2 activators in human bronchial epithelial cells. European Journal of Pharmaceutical Sciences, 2011, 43, 16-24.	4.0	50
9	Synthesis and Preliminary Evaluation of 18-¹⁸F-Fluoro-4-Thia-Oleate as a PET Probe of Fatty Acid Oxidation. Journal of Nuclear Medicine, 2010, 51, 1310-1317.	5.0	45
10	Structureâ€“activity relationship of dihydroxy-4-methylcoumarins as powerful antioxidants: Correlation between experimental & theoretical data and synergistic effect. Biochimie, 2010, 92, 1089-1100.	2.6	42
11	Use of Superparamagnetic Iron Oxide Nanoparticles (SPIONs) via Multiple Imaging Modalities and Modifications to Reduce Cytotoxicity: An Educational Review. Journal of Nanotheranostics, 2020, 1, 105-135.	3.1	41
12	Cyclotron production of 68Ga in a liquid target: Effects of solution composition and irradiation parameters. Nuclear Medicine and Biology, 2019, 74-75, 49-55.	0.6	38
13	Synthesis of macromolecular systems via lipase catalyzed biocatalytic reactions: applications and future perspectives. Chemical Society Reviews, 2016, 45, 6855-6887.	38.1	37
14	Cyclotron production of (68)Ga via the (68)Zn(p,n)(68)Ga reaction in aqueous solution. American Journal of Nuclear Medicine and Molecular Imaging, 2014, 4, 303-10.	1.0	36
15	Tracking and Therapeutic Value of Human Adipose Tissueâ€“derived Mesenchymal Stem Cell Transplantation in Reducing Venous Neointimal Hyperplasia Associated with Arteriovenous Fistula. Radiology, 2016, 279, 513-522.	7.3	32
16	Improved production and processing of 89Zr using a solution target. Nuclear Medicine and Biology, 2016, 43, 97-100.	0.6	30
17	Synthesis of ¹⁸F-Tetrafluoroborate via Radiofluorination of Boron Trifluoride and Evaluation in a Murine C6-Glioma Tumor Model. Journal of Nuclear Medicine, 2016, 57, 1454-1459.	5.0	27
18	Alkaloids from Toddalia aculeata. Phytochemistry, 2006, 67, 1005-1010.	2.9	26

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19	Preparation and Preliminary Evaluation of ⁶³Zn-Zinc Citrate as a Novel PET Imaging Biomarker for Zinc. Journal of Nuclear Medicine, 2014, 55, 1348-1354.	5.0	25
20	Safety, pharmacokinetics, metabolism and radiation dosimetry of 18F-tetrafluoroborate (18F-TFB) in healthy human subjects. EJNMMI Research, 2017, 7, 90.	2.5	25
21	Biocatalytic Approach for the Synthesis of Glycerolâ€Based Macroamphiphiles and their Selfâ€Assembly to Micellar Nanotransporters. Macromolecular Chemistry and Physics, 2010, 211, 239-244.	2.2	23
22	First PET Imaging Studies With ⁶³Zn-Zinc Citrate in Healthy Human Participants and Patients With Alzheimer Disease. Molecular Imaging, 2016, 15, 153601211667379.	1.4	22
23	Specificities of acetoxy derivatives of coumarins, biscoumarins, chromones, flavones, isoflavones and xanthones for acetoxy drug: Protein transacetylase. European Journal of Medicinal Chemistry, 2007, 42, 447-455.	5.5	21
24	Sensory response of pegylated and siloxanated 4,8-dimethylcoumarins: A fluorescence quenching study by nitro aromatics. Sensors and Actuators B: Chemical, 2010, 147, 105-110.	7.8	21
25	Novel PEGylated Amphiphilic Copolymers as Nanocarriers for Drug Delivery: Synthesis, Characterization and Curcumin Encapsulation. Journal of Macromolecular Science - Pure and Applied Chemistry, 2010, 47, 1154-1160.	2.2	21
26	Elevated medial temporal lobe and pervasive brain tauâ€PET signal in normal participants. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2018, 10, 210-216.	2.4	19
27	Design, synthesis and anti-inflammatory evaluation of PEGylated 4-methyl and 4,8-dimethylcoumarins. European Journal of Pharmaceutical Sciences, 2010, 39, 134-140.	4.0	18
28	Design and synthesis of perfluorinated amphiphilic copolymers: Smart nanomicelles for theranostic applications. Polymer, 2011, 52, 4727-4735.	3.8	18
29	Structure Dependence of Long-Chain [18F]Fluorothia Fatty Acids as Myocardial Fatty Acid Oxidation Probes. Journal of Medicinal Chemistry, 2012, 55, 10674-10684.	6.4	17
30	Hepatocyte spheroids as an alternative to single cells for transplantation after ex vivo gene therapy in mice and pig models. Surgery, 2018, 164, 473-481.	1.9	16
31	Abnormal Levels of Metal Micronutrients and Autism Spectrum Disorder: A Perspective Review. Frontiers in Molecular Neuroscience, 2020, 13, 586209.	2.9	15
32	Design and Synthesis of Novel Pegylated 4â€Methylcoumarins. Journal of Macromolecular Science - Pure and Applied Chemistry, 2007, 44, 1293-1298.	2.2	14
33	Microwave-assisted radiosynthesis of [18F]fluorinated fatty acid analogs. Nuclear Medicine and Biology, 2011, 38, 435-441.	0.6	14
34	Cloning, function, and localization of human, canine, and Drosophila ZIP10 (SLC39A10), a Zn²⁺ transporter. American Journal of Physiology - Renal Physiology, 2019, 316, F263-F273.	2.7	14
35	[89Zr]Zr-DBN labeled cardiopoietic stem cells proficient for heart failure. Nuclear Medicine and Biology, 2020, 90-91, 23-30.	0.6	14
36	Development of a Clinically Relevant Reporter for Chimeric Antigen Receptor T-cell Expansion, Trafficking, and Toxicity. Cancer Immunology Research, 2021, 9, 1035-1046.	3.4	14

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37	Arylalkyl Ketones, Benzophenones, Desoxybenzoins and Chalcones Inhibit TNFâ€Î± Induced Expression of ICAMâ€1: Structureâ€Activity Analysis. Archiv Der Pharmazie, 2012, 345, 368-377.	4.1	13
38	Cyclotron Production of PET Radiometals in Liquid Targets: Aspects and Prospects. Current Radiopharmaceuticals, 2021, 14, 325-339.	0.8	13
39	Evaluation of Zn, Cu, and Se Levels in the North American Autism Spectrum Disorder Population. Frontiers in Molecular Neuroscience, 2021, 14, 665686.	2.9	12
40	Synthesis of novel non-isoprenoid phenolic acids and 3-alkylpyridines. Pure and Applied Chemistry, 2005, 77, 185-193.	1.9	9
41	Synthesis and Characterization of Novel Amphiphilic Polymers as Drug Delivery Nano Carriers. Journal of Macromolecular Science - Pure and Applied Chemistry, 2008, 45, 931-937.	2.2	9
42	Synthesis and Preliminary Evaluation of N-(16-¹⁸F-Fluorohexadecanoyl)ethanolamine (¹⁸F-FHEA) as a PET Probe of N-Acylethanolamine Metabolism in Mouse Brain. ACS Chemical Neuroscience, 2014, 5, 793-802.	3.5	9
43	Catechol-Based Functionalizable Ligands for Gallium-68 Positron Emission Tomography Imaging. Inorganic Chemistry, 2020, 59, 12025-12038.	4.0	9
44	ExÂVivo Cell Therapy by Ectopic Hepatocyte Transplantation Treats the Porcine Tyrosinemia Model of Acute Liver Failure. Molecular Therapy - Methods and Clinical Development, 2020, 18, 738-750.	4.1	8
45	Uptake of AV-1451 in meningiomas. Annals of Nuclear Medicine, 2017, 31, 736-743.	2.2	7
46	Design and Biocatalytic Synthesis of Pluronics-based Nanomicellar Self-assembly Systems for Drug Encapsulation Applications. Journal of Macromolecular Science - Pure and Applied Chemistry, 2010, 47, 788-793.	2.2	6
47	Non-invasive immunoPET imaging of PD-L1 using anti-PD-L1-B11 in breast cancer and melanoma tumor model. Nuclear Medicine and Biology, 2021, 100-101, 4-11.	0.6	6
48	Design, Synthesis, and Preliminary Evaluation of [⁶⁸Ga]Ga-NOTA-Insulin as a PET Probe in an Alzheimerâ€™s Disease Mouse Model. Bioconjugate Chemistry, 2022, 33, 892-906.	3.6	6
49	Enzymatically Synthesized Pegylated Polymers as Nanomicellar Drug Delivery Systems. ACS Symposium Series, 2008, , 204-224.	0.5	5
50	Synthesis and Characterization of Photoactive Amphiphilic Polymers. Journal of Macromolecular Science - Pure and Applied Chemistry, 2007, 44, 1283-1287.	2.2	4
51	Design and Lipase Catalyzed Synthesis of 4-Methylcoumarin-siloxane Hybrid Copolymers. Journal of Macromolecular Science - Pure and Applied Chemistry, 2008, 45, 925-930.	2.2	4
52	Amino Acid and Poly(Ethylene Glycol) Based Self-Organizing Polymeric Systems: Chemo-Enzymatic Synthesis and Characterization. Journal of Macromolecular Science - Pure and Applied Chemistry, 2008, 45, 957-962.	2.2	4
53	Synthesis of new bridgehead heterocycles: Pyrimido[3â€²,2â€²:3,4]-1,2,4-triazino[5,6-b]indoles. Heteroatom Chemistry, 2006, 17, 272-276.	0.7	3
54	Chemo-enzymatic Synthesis of Polydimethylsiloxane Curcumin Copolymer for Detection of Nitro-aromatics. Journal of Macromolecular Science - Pure and Applied Chemistry, 2014, 51, 399-404.	2.2	3

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55	Radiation induced oxidation of [18F]fluorothia fatty acids under cGMP manufacturing conditions. Nuclear Medicine and Biology, 2020, 80-81, 13-23.	0.6	2
56	Unusual Increased Blood Pool Activity on 68Ga-DOTATATE PET/CT in a Patient With Metastatic Neuroendocrine Disease. Clinical Nuclear Medicine, 2022, 47, 137-139.	1.3	1
57	Editorial: Autism Spectrum Disorders and Metal Dyshomeostasis. Frontiers in Molecular Neuroscience, 2022, 15, 861483.	2.9	1
58	Synthesis of Novel Non-Isoprenoid Phenolic Acids and 3-Alkylpyridines. ChemInform, 2005, 36, no.	0.0	0
59	ICâ€01â€05: Neuropathologic Features of AV1451 TAU Pet Autoradiography in Dementia. Alzheimer's and Dementia, 2016, 12, P4.	0.8	0
60	Transformation of Natural Products into Synthetic Copolymers. Sustainable Agriculture Reviews, 2017, , 247-262.	1.1	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.	0.5	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.	3.5	0
63	Production of 89Zr from cyclotron using yttrium foil: a new target design. Nuclear Medicine and Biology, 2021, 96-97, S103.	0.6	0
64	Cloning, localization and characterization of a Zn transporter (Zip10) from fly, dog, and human (893.39). FASEB Journal, 2014, 28, 893.39.	0.5	0
65	Dynamic Imaging of Chimeric Antigen Receptor T Cells with [¹⁸F]Tetrafluoroborate Positron Emission Tomography/Computed Tomography. Journal of Visualized Experiments, 2022, , .	0.3	0
66	A new solid target design for the production of Zr and radiosynthesis of high molar activity [Zr]Zr-DBN.. American Journal of Nuclear Medicine and Molecular Imaging, 2022, 12, 15-24.	1.0	0