

Anjani Kumar Tiwari

List of Publications by Year in descending order

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85
papers

1,363
citations

361045

20
h-index

395343

33
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87
all docs

87
docs citations

87
times ranked

1559
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis, characterization and biological activity of Schiff base analogues of indole-3-carboxaldehyde. <i>European Journal of Medicinal Chemistry</i> , 2008, 43, 160-165.	2.6	285
2	A Review on the Modern Synthetic Approach of Benzimidazole Candidate. <i>ChemistrySelect</i> , 2020, 5, 3981-3994.	0.7	56
3	Synthesis and pharmacological study of novel pyrido-quinazolone analogues as anti-fungal, antibacterial, and anticancer agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006, 16, 4581-4585.	1.0	48
4	Synthesis and biological properties of 4-(3H)-quinazolone derivatives. <i>European Journal of Medicinal Chemistry</i> , 2007, 42, 1234-1238.	2.6	48
5	[¹⁸ F]FEBMP: Positron Emission Tomography Imaging of TSPO in a Model of Neuroinflammation in Rats, and <i>in vitro</i> Autoradiograms of the Human Brain. <i>Theranostics</i> , 2015, 5, 961-969.	4.6	45
6	Characterization of a novel acetamidobenzoxazolone-based PET ligand for translocator protein (18 kDa) imaging of neuroinflammation in the brain. <i>Journal of Neurochemistry</i> , 2014, 129, 712-720.	2.1	39
7	Synthesis of Oxovanadium(IV) Schiff base Complexes derived from <i>C</i> -substituted Diamines and Pyridoxal-5-phosphate as Antitumor Agents. <i>Chemical Biology and Drug Design</i> , 2012, 79, 223-234.	1.5	38
8	The Mercury(II) Catalyzed Ligand Exchange Between Hexacyanoferrate(II) and Pyrazine in Aqueous Medium. <i>Transition Metal Chemistry</i> , 2005, 30, 968-977.	0.7	31
9	Prospective evaluation of solitary thyroid nodule on 18F-FDG PET/CT and high-resolution ultrasonography. <i>Annals of Nuclear Medicine</i> , 2010, 24, 345-355.	1.2	30
10	Effect of a Novel Series of Benzothiazolo-Quinazolones on Epidermal Growth Factor Receptor (EGFR) and Biological Evaluations. <i>Chemical Biology and Drug Design</i> , 2008, 72, 533-539.	1.5	29
11	Synthesis and evaluation of new ¹⁸ F-labelled acetamidobenzoxazolone-based radioligands for imaging of the translocator protein (18 kDa, TSPO) in the brain. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 9621-9630.	1.5	29
12	Block Copolymer Based Nanoparticles for Theranostic Intervention of Cervical Cancer: Synthesis, Pharmacokinetics, and <i>in vitro/in vivo</i> Evaluation in HeLa Xenograft Models. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 22195-22211.	4.0	29
13	Zinc complex of tryptophan appended 1,4,7,10-tetraazacyclododecane as potential anticancer agent: Synthesis and evaluation. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 3483-3490.	1.4	26
14	Synthesis, conjugation and relaxation studies of gadolinium(III)-4-benzothiazol-2-yl-phenylamine as a potential brain specific MR contrast agent. <i>Dalton Transactions</i> , 2013, 42, 4994.	1.6	25
15	Kinetic and mechanistic studies of oxidation of amine-N-polycarboxylates complexes of cobalt(II) by periodate ions in aqueous medium. <i>Journal of the Iranian Chemical Society</i> , 2007, 4, 63-71.	1.2	24
16	Design, synthesis and biological evaluation of antimalarial activity of new derivatives of 2,4,6-s-triazine. <i>Chemistry Central Journal</i> , 2017, 11, 132.	2.6	24
17	Disubstituted 4(3H) Quinazolones: A Novel Class of Antitumor Agents. <i>Chemical Biology and Drug Design</i> , 2009, 74, 297-301.	1.5	22
18	Quantitative Structure Activity Relationship Study of 2,4,6-trisubstituted- <i>s</i> -triazine Derivatives as Antimalarial Inhibitors of <i>Plasmodium Falciparum</i> Dihydrofolate Reductase. <i>Chemical Biology and Drug Design</i> , 2011, 77, 57-62.	1.5	22

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19	Synthesis and evaluation of Novel Benzimidazole derivative [Bz-Im] and its radio/biological studies. Bioorganic and Medicinal Chemistry Letters, 2007, 17, 2749-2755.	1.0	21
20	^{99m} Tc-DTPA-Amino Acids Conjugate as Specific SPECT Pharmaceuticals for Tumor Imaging. Chemical Biology and Drug Design, 2009, 74, 159-164.	1.5	21
21	Preclinical Evaluation of DO3P-AME-DO3P: A Polyazamacrocyclic Methylene Phosphonate for Diagnosis and Therapy of Skeletal Metastases. Bioconjugate Chemistry, 2011, 22, 244-255.	1.8	20
22	Oxime-dipeptides as anticholinesterase, reactivator of phosphorylated-serine of AChE catalytic triad: probing the mechanistic insight by MM-GBSA, dynamics simulations and DFT analysis. Journal of Biomolecular Structure and Dynamics, 2015, 33, 978-990.	2.0	19
23	Computational prediction of interaction and pharmacokinetics profile study for polyamino-polycarboxylic ligands on binding with human serum albumin. New Journal of Chemistry, 2020, 44, 2907-2918.	1.4	19
24	Synthesis and biological evaluation of newly designed phosphonate based bone-seeking agent. European Journal of Medicinal Chemistry, 2013, 65, 12-20.	2.6	17
25	Prospective atom-based 3D-QSAR model prediction, pharmacophore generation, and molecular docking study of carbamate derivatives as dual inhibitors of AChE and MAO-B for Alzheimer's disease. Medicinal Chemistry Research, 2014, 23, 1114-1122.	1.1	17
26	<i>In silico</i> thermodynamics stability change analysis involved in BH ₄ responsive mutations in phenylalanine hydroxylase: QM/MM and MD simulations analysis. Journal of Biomolecular Structure and Dynamics, 2015, 33, 573-583.	2.0	17
27	[¹⁸ F]FPBMP: a potential new positron emission tomography radioligand for imaging of translocator protein (18 kDa) in peripheral organs of rats. RSC Advances, 2015, 5, 101447-101454.	1.7	16
28	The 18-kDa Translocator Protein PET Tracers as a Diagnostic Marker for Neuroinflammation: Development and Current Standing. ACS Omega, 2022, 7, 14412-14429.	1.6	16
29	Quantitative Structure-Property Relationship (Correlation Analysis) of Phosphonic Acid-Based Chelates in Design of MRI Contrast Agent. Chemical Biology and Drug Design, 2009, 74, 87-91.	1.5	14
30	Facile synthesis of non-ionic dimeric molecular resonance imaging contrast agent: its relaxation and luminescence studies. Dalton Transactions, 2011, 40, 3346.	1.6	14
31	Design, Synthesis, and <i>In Vitro</i> Antiproliferative Activity of Benzimidazole Analogues for Radiopharmaceutical Efficacy. Cancer Biotherapy and Radiopharmaceuticals, 2010, 25, 245-250.	0.7	13
32	Polyethylene-glycolylated isoniazid conjugate for reduced toxicity and sustained release. Therapeutic Delivery, 2011, 2, 205-212.	1.2	13
33	Modified benzoxazolone derivative as 18 kDa TSPO ligand. Chemical Biology and Drug Design, 2017, 90, 511-519.	1.5	13
34	Chalcone Based Homodimeric PET Agent, ¹¹ C-(Chal) ₂ DEA-Me, for Beta Amyloid Imaging: Synthesis and Bioevaluation. Molecular Pharmaceutics, 2018, 15, 1515-1525.	2.3	13
35	Design, synthesis and biological evaluation of methyl-2-(2-(5-bromo) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 107 Td (benzoxazolone) 114491-114499.	1.7	12
36	Radiosynthesis and evaluation of acetamidobenzoxazolone based radioligand [¹¹ C]Nâ€²-MPB for visualization of 18 kDa TSPO in brain. New Journal of Chemistry, 2020, 44, 7912-7922.	1.4	12

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55	Design, Synthesis, and Fluorescence Lifetime Study of Benzothiazole Derivatives for Imaging of Amyloids. <i>Cancer Biotherapy and Radiopharmaceuticals</i> , 2010, 25, 571-575.	0.7	5
56	Past and Present Scenario of Imaging Infection and Inflammation: A Nuclear Medicine Perspective. <i>Molecular Imaging</i> , 2012, 11, 7290.2011.00051.	0.7	5
57	Evaluation of methionine and tryptophan derivatised vehicles: Met-ac-TE3A/Trp-ac-TE3A for tumor imaging. <i>RSC Advances</i> , 2015, 5, 41977-41984.	1.7	5
58	Investigation for the Interaction of Tyramine-Based Anthraquinone Analogue with Human Serum Albumin by Optical Spectroscopic Technique. <i>Chemical Biology and Drug Design</i> , 2013, 81, 343-348.	1.5	4
59	Design, synthesis and relaxation studies of triazole linked gadolinium(iii)-DO3A-BT-bistriazaspirodecanone as a potential MRI contrast agent. <i>New Journal of Chemistry</i> , 2016, 40, 5846-5854.	1.4	4
60	Synthesis and Preclinical Evaluation of Radioligand, ^{99m} Tc-DO3A-Et-PPAR for Imaging NRP-1 Specific Tumor. <i>ChemistrySelect</i> , 2019, 4, 12950-12954.	0.7	4
61	Lanthanide (Ln ³⁺) complexes of bifunctional chelate: Synthesis, physicochemical study and interaction with human serum albumin (HSA). <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 244, 118808.	2.0	4
62	Synthesis and biological evaluation of modified laminin peptide (N2S2-KDP) with enhanced affinity for neuronal growth and targeted molecular imaging (SPECT). <i>Bioorganic Chemistry</i> , 2021, 107, 104516.	2.0	4
63	Luminescence studies of binding affinity of vildagliptin with bovine serum albumin. <i>Journal of Biomolecular Structure and Dynamics</i> , 2023, 41, 3002-3013.	2.0	4
64	Kinetic and mechanistic significance of the chemical activation of ciprofloxacin for conjugation chemistry. <i>International Journal of Chemical Kinetics</i> , 2009, 41, 349-356.	1.0	3
65	SAR of Cu (II) Thiosemicarbazone Complexes as Hypoxic Imaging Agents: MM3 Analysis and Prediction of Biologic Properties. <i>Cancer Biotherapy and Radiopharmaceuticals</i> , 2010, 25, 117-121.	0.7	3
66	Design, Synthesis, and Biological Evaluation of Catecholamine Vehicle for Studying Dopaminergic System. <i>Chemical Biology and Drug Design</i> , 2013, 82, 226-232.	1.5	3
67	Synthesis, Analytical Analysis, and Medicinal Aspect of Novel Benzimidazoles and their Metal Complexes. <i>Chemical Biology and Drug Design</i> , 2013, 82, 630-634.	1.5	3
68	Novel pyridinium oximes: synthesis, molecular docking and in vitro reactivation studies. <i>RSC Advances</i> , 2015, 5, 23471-23480.	1.7	3
69	Synthesis, in silico screening and preclinical evaluation studies of a hexapeptide analogue for its antimicrobial efficacy. <i>RSC Advances</i> , 2015, 5, 97180-97186.	1.7	3
70	Perception into hypoxia selectivity and electronic features of symmetrically substituted bithiosemicarbazone ligands and their copper complexes: DFT and QM/MM docking. <i>MedChemComm</i> , 2013, 4, 542.	3.5	2
71	Bis (histidine) with N2 Vehicle: An Important Skeleton for MR/Chelation Therapy. <i>Chemical Biology and Drug Design</i> , 2014, 83, 682-687.	1.5	2
72	Design, synthesis and biological evaluation of coumarin coupled nitroimidazoles as potential imaging agents. <i>RSC Advances</i> , 2015, 5, 97102-97112.	1.7	2

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73	A Novel ¹⁸ F Labelled Imidazo-oxazolopyridine Derivative as b-Amyloid Imaging Agent: Synthesis and Preliminary Evaluation. Asian Journal of Chemistry, 2018, 30, 183-190.	0.1	2
74	Determination of Hybrid TSPO Ligands with Minimal Impact of SNP (rs6971) through Molecular Docking and MD Simulation Study. Letters in Drug Design and Discovery, 2022, 19, 549-563.	0.4	2
75	Bis(Methylpyridine)â€‹EDTA</scp> Derivative as a Potential Ligand for <scp>PET</scp> Imaging: Synthesis, Complexation, and Biological Evaluation. Chemical Biology and Drug Design, 2014, 84, 704-711.	1.5	1
76	Design and synthesis of calcium responsive magnetic resonance imaging agent: Its relaxation and luminescence studies. European Journal of Medicinal Chemistry, 2014, 82, 225-232.	2.6	1
77	Comparison of BTSE-RGD with DOTA-RGD as a potential imaging agent for tumors. RSC Advances, 2015, 5, 54439-54445.	1.7	1
78	Gd(III)â€‹DO3Aâ€‹SBMPP: An Effort to Develop the MRI Contrast Agent with Enhanced Relaxivity. ChemistrySelect, 2016, 1, 6206-6211.	0.7	1
79	Receptor mapping using methoxy phenyl piperazine derivative: Preclinical PET imaging. Bioorganic Chemistry, 2021, 117, 105429.	2.0	1
80	Current Status of Our Understanding for Brain Integrated Functions and its Energetics. Neurochemical Research, 0, , .	1.6	1
81	Correlation of Physical Parameters During Radiochemical Synthesis of ¹⁸F Positron Emission Tomography Radiopharmaceuticals. Cancer Biotherapy and Radiopharmaceuticals, 2011, 26, 389-393.	0.7	0
82	Quantitative structure activity relationship of tetraaza macrocyclic vehicle DO3A with lanthanide relaxivity and hydrophobicity. Medicinal Chemistry Research, 2013, 22, 5861-5867.	1.1	0
83	Comparative evaluation of Bis(thiosemicarbazone)- Biotin and Met-ac-TE3A for tumor imaging. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2016, 153, 566-571.	2.0	0
84	A Homobivalent SPECT Radioligand â€‹Serinol Appended Methoxyphenyl Piperazine Derivative for Serotonin Receptor Imaging**. ChemistrySelect, 2021, 6, 5670-5677.	0.7	0
85	[^{99m} Tc-BBPA]: A possible SPECT agent to understand role of 18-kDa translocator protein (PBR/TSPO) during neuro-gliial interaction. Bioorganic Chemistry, 2022, 121, 105678.	2.0	0