

Jiaur R Gayen

List of Publications by Year in descending order

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95
papers

2,274
citations

186265

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265206

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Ethanol extract of <i>Cissus quadrangularis</i> improves vasoreactivity by modulation of eNOS expression and oxidative stress in spontaneously hypertensive rats. <i>Clinical and Experimental Hypertension</i> , 2022, 44, 63-71.	1.3	9
2	Pregnane-Oximino-Alkyl-Amino-Ether Compound as a Novel Class of TGR5 Receptor Agonist Exhibiting Antidiabetic and Anti-Dyslipidemic Activities. <i>Pharmacology</i> , 2022, 107, 54-68.	2.2	3
3	Emerging nanotechnology based combination therapies of taxanes for multiple drug-resistant cancers. <i>Pharmaceutical Development and Technology</i> , 2022, 27, 95-107.	2.4	3
4	Functional Gly297Ser Variant of the Physiological Dysglycemic Peptide Pancreastatin Is a Novel Risk Factor for Cardiometabolic Disorders. <i>Diabetes</i> , 2022, 71, 538-553.	0.6	4
5	Pancreastatin inhibitor PSTi8 prevents free fatty acid-induced oxidative stress and insulin resistance by modulating JNK pathway: In vitro and in vivo findings. <i>Life Sciences</i> , 2022, 289, 120221.	4.3	3
6	Polyphenolic-rich <i>Cissus quadrangularis</i> extract ameliorates insulin resistance by activating AdipoR1 in peri-/post-menopausal rats. <i>Experimental Gerontology</i> , 2022, 159, 111681.	2.8	7
7	Evaluation of the Pharmacokinetics of the Pancreastatin Inhibitor PSTi8 Peptide in Rats: Integration of In Vitro and In Vivo Findings. <i>Molecules</i> , 2022, 27, 339.	3.8	2
8	Diosmin, a citrus fruit-derived phlebotonic bioflavonoid protects rats from chronic kidney disease-induced loss of bone mass and strength without deteriorating the renal function. <i>Food and Function</i> , 2022, 13, 2184-2199.	4.6	11
9	Approaches to minimize the effects of glycoprotein in drug transport: A review. <i>Drug Development Research</i> , 2022, 83, 825-841.	2.9	16
10	Oral Administration of Isovitexin, a Naturally Occurring Apigenin Derivative Showed Osteoanabolic Effect in Ovariectomized Mice: A Comparative Study with Teriparatide. <i>Calcified Tissue International</i> , 2022, 111, 196-210.	3.1	2
11	Augmented experimental design for bioavailability enhancement: a robust formulation of abiraterone acetate. <i>Journal of Liposome Research</i> , 2022, , 1-12.	3.3	2
12	A novel nanosized phospholipid complex of Biochanin A for improving oral bioavailability: Preparation and in-vitro/in-vivo characterizations. <i>Journal of Drug Delivery Science and Technology</i> , 2021, 61, 102254.	3.0	9
13	Herb-drug interaction studies of ethanol extract of <i>Cassia occidentalis</i> L. coadministered with acetaminophen, theophylline, omeprazole, methotrexate and methylprednisolone. <i>Phytomedicine Plus</i> , 2021, 1, 100008.	2.0	2
14	Inhibition of NOX4 by <i>Cissus quadrangularis</i> extract protects from Type 2 diabetes induced-steatohepatitis. <i>Phytomedicine Plus</i> , 2021, 1, 100021.	2.0	12
15	Elucidation of plasma protein binding, blood partitioning, permeability, CYP phenotyping and CYP inhibition studies of Withanone using validated UPLC method: An active constituent of neuroprotective herb Ashwagandha. <i>Journal of Ethnopharmacology</i> , 2021, 270, 113819.	4.1	11
16	Challenges of peptide and protein drug delivery by oral route: Current strategies to improve the bioavailability. <i>Drug Development Research</i> , 2021, 82, 927-944.	2.9	39
17	Autophagy in ovary and polycystic ovary syndrome: role, dispute and future perspective. <i>Autophagy</i> , 2021, 17, 2706-2733.	9.1	99
18	JNK signaling pathway in metabolic disorders: An emerging therapeutic target. <i>European Journal of Pharmacology</i> , 2021, 901, 174079.	3.5	18

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19	<i>Cissus quadrangularis</i> extract attenuates diabetic nephropathy by altering SIRT1/DNMT1 axis. <i>Journal of Pharmacy and Pharmacology</i> , 2021, 73, 1442-1450.	2.4	12
20	Regulatory safety pharmacology and toxicity assessments of a standardized stem extract of <i>Cassia occidentalis</i> Linn. in rodents. <i>Regulatory Toxicology and Pharmacology</i> , 2021, 123, 104960.	2.7	4
21	Pancreastatin induces islet amyloid peptide aggregation in the pancreas, liver, and skeletal muscle: An implication for type 2 diabetes. <i>International Journal of Biological Macromolecules</i> , 2021, 182, 760-771.	7.5	5
22	Pancreastatin mediated regulation of UCP-1 and energy expenditure in high fructose fed perimenopausal rats. <i>Life Sciences</i> , 2021, 279, 119677.	4.3	7
23	<i>Withania somnifera</i> in Neurological Disorders: Ethnopharmacological Evidence, Mechanism of Action and its Progress in Delivery Systems. <i>Current Drug Metabolism</i> , 2021, 22, 561-571.	1.2	4
24	Coelogen ameliorates metabolic dyshomeostasis by regulating adipogenesis and enhancing energy expenditure in adipose tissue. <i>Pharmacological Research</i> , 2021, 172, 105776.	7.1	6
25	Pancreastatin induces hepatic steatosis in type 2 diabetes by impeding mitochondrial functioning. <i>Life Sciences</i> , 2021, 284, 119905.	4.3	5
26	Pharmacokinetics and brain targeting of <i>trans</i> -resveratrol loaded mixed micelles in rats following intravenous administration. <i>Pharmaceutical Development and Technology</i> , 2020, 25, 300-307.	2.4	21
27	LC-ESI-MS/MS assay development and validation of a novel antidiabetic peptide PSTi8 in mice plasma using SPE: An application to pharmacokinetics. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 180, 113074.	2.8	5
28	Naringin ameliorates type 2 diabetes mellitus-induced steatohepatitis by inhibiting RAGE/NF- κ B mediated mitochondrial apoptosis. <i>Life Sciences</i> , 2020, 257, 118118.	4.3	62
29	Systemic Insulin Resistance and Metabolic Perturbations in Chow Fed Inducible Nitric Oxide Synthase Knockout Male Mice: Partial Reversal by Nitrite Supplementation. <i>Antioxidants</i> , 2020, 9, 736.	5.1	9
30	Combination of Pancreastatin inhibitor PSTi8 with metformin inhibits Fetuin-A in type 2 diabetic mice. <i>Heliyon</i> , 2020, 6, e05133.	3.2	17
31	Skeletal restoration by phosphodiesterase 5 inhibitors in osteopenic mice: Evidence of osteoanabolic and osteoangiogenic effects of the drugs. <i>Bone</i> , 2020, 135, 115305.	2.9	20
32	A probiotic, short-chain fructo-oligosaccharides promotes peak bone mass and maintains bone mass in ovariectomized rats by an osteogenic mechanism. <i>Biomedicine and Pharmacotherapy</i> , 2020, 129, 110448.	5.6	23
33	Simultaneous quantification of five biomarkers in ethanolic extract of <i>Cassia occidentalis</i> Linn. stem using liquid chromatography tandem mass spectrometry: application to its pharmacokinetic studies. <i>RSC Advances</i> , 2020, 10, 4579-4588.	3.6	5
34	A butanolic fraction from the standardized stem extract of <i>Cassia occidentalis</i> L delivered by a self-emulsifying drug delivery system protects rats from glucocorticoid-induced osteopenia and muscle atrophy. <i>Scientific Reports</i> , 2020, 10, 195.	3.3	20
35	Pancreastatin inhibitor PSTi8 protects the obesity associated skeletal muscle insulin resistance in diet induced streptozotocin-treated diabetic mice. <i>European Journal of Pharmacology</i> , 2020, 881, 173204.	3.5	10
36	PSTi8 with metformin ameliorates perimenopause induced steatohepatitis associated ER stress by regulating SIRT-1/SREBP-1c axis. <i>Heliyon</i> , 2020, 6, e05826.	3.2	12

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37	Increased Bone Marrow-Specific Adipogenesis by Clofazimine Causes Impaired Fracture Healing, Osteopenia, and Osteonecrosis Without Extraskeletal Effects in Rats. <i>Toxicological Sciences</i> , 2019, 172, 167-180.	3.1	9
38	A nutraceutical composition containing diosmin and hesperidin has osteogenic and anti-resorptive effects and expands the anabolic window of teriparatide. <i>Biomedicine and Pharmacotherapy</i> , 2019, 118, 109207.	5.6	14
39	Development and validation of LC-MS/MS method for quantification of novel PP2A β -catenin signalling inhibitor, S011-2111 in mice plasma: Application to its preclinical pharmacokinetic studies. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019, 1130-1131, 121829.	2.3	4
40	Pancreastatin inhibitor, PSTi8 ameliorates metabolic health by modulating AKT/GSK-3 β and PKC δ /SREBP1c pathways in high fat diet induced insulin resistance in peri-/post-menopausal rats. <i>Peptides</i> , 2019, 120, 170147.	2.4	19
41	Pancreastatin inhibitor PSTi8 attenuates hyperinsulinemia induced obesity and inflammation mediated insulin resistance via MAPK/NOX3-JNK pathway. <i>European Journal of Pharmacology</i> , 2019, 864, 172723.	3.5	17
42	Pancreastatin inhibitor activates AMPK pathway via GRP78 and ameliorates dexamethasone induced fatty liver disease in C57BL/6 mice. <i>Biomedicine and Pharmacotherapy</i> , 2019, 116, 108959.	5.6	35
43	Role of brown adipose tissue in modulating adipose tissue inflammation and insulin resistance in high-fat diet fed mice. <i>European Journal of Pharmacology</i> , 2019, 854, 354-364.	3.5	40
44	Elucidation of pharmacokinetics of novel DNA ligase I inhibitor, S012-1332 in rats: Integration of in vitro and in vivo findings. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 162, 205-214.	2.8	11
45	Bioavailability Enhancement of Poorly Soluble Drugs: The Holy Grail in Pharma Industry. <i>Current Pharmaceutical Design</i> , 2019, 25, 987-1020.	1.9	13
46	LC-MS/MS method for the simultaneous quantification of luteolin, wedelolactone and apigenin in mice plasma using Hansen solubility parameters for liquid-liquid extraction: Application to pharmacokinetics of <i>Eclipta alba</i> chloroform fraction. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1081-1082, 76-86.	2.3	33
47	Glucose and lipid metabolism alterations in liver and adipose tissue pre-dispose p47 ^{phox} knockout mice to systemic insulin resistance. <i>Free Radical Research</i> , 2018, 52, 568-582.	3.3	11
48	Isoalantolactone derivative promotes glucose utilization in skeletal muscle cells and increases energy expenditure in db/db mice via activating AMPK-dependent signaling. <i>Molecular and Cellular Endocrinology</i> , 2018, 460, 134-151.	3.2	15
49	Determination of permeability, plasma protein binding, blood partitioning, pharmacokinetics and tissue distribution of Withanolide A in rats: A neuroprotective steroidal lactone. <i>Drug Development Research</i> , 2018, 79, 339-351.	2.9	10
50	Evaluation of oral pharmacokinetics, in vitro metabolism, blood partitioning and plasma protein binding of novel antidiabetic agent, S009 α 0629 in rats. <i>Drug Development Research</i> , 2018, 79, 173-183.	2.9	3
51	Discovery of pancreastatin inhibitor PSTi8 for the treatment of insulin resistance and diabetes: studies in rodent models of diabetes mellitus. <i>Scientific Reports</i> , 2018, 8, 8715.	3.3	30
52	Altered glucose and lipid homeostasis in liver and adipose tissue pre-dispose inducible NOS knockout mice to insulin resistance. <i>Scientific Reports</i> , 2017, 7, 41009.	3.3	28
53	Preparation and in-vitro/in-vivo characterization of trans-resveratrol nanocrystals for oral administration. <i>Drug Delivery and Translational Research</i> , 2017, 7, 395-407.	5.8	32
54	RP-HPLC Separation of Isomeric Withanolides: Method Development, Validation and Application to In situ Rat Permeability Determination. <i>Journal of Chromatographic Science</i> , 2017, 55, 729-735.	1.4	12

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55	Discovery of a Novel Small-Molecule Inhibitor that Targets PP2A β -Catenin Signaling and Restricts Tumor Growth and Metastasis. <i>Molecular Cancer Therapeutics</i> , 2017, 16, 1791-1805.	4.1	18
56	A Novel Benzocoumarin-Stilbene Hybrid as a DNA ligase I inhibitor with in vitro and in vivo anti-tumor activity in breast cancer models. <i>Scientific Reports</i> , 2017, 7, 10715.	3.3	13
57	Globular adiponectin reverses osteo-sarcopenia and altered body composition in ovariectomized rats. <i>Bone</i> , 2017, 105, 75-86.	2.9	39
58	Synthesis of substituted 2H-benzo[e]indazole-9-carboxylate as a potent antihyperglycemic agent that may act through IRS-1, Akt and GSK-3 β pathways. <i>MedChemComm</i> , 2017, 8, 329-337.	3.4	12
59	Cardioprotective Effect of <i>Ulmus wallichiana</i> Planchon in β -Adrenergic Agonist Induced Cardiac Hypertrophy. <i>Frontiers in Pharmacology</i> , 2016, 7, 510.	3.5	25
60	Formulation optimization of Docetaxel loaded self-emulsifying drug delivery system to enhance bioavailability and anti-tumor activity. <i>Scientific Reports</i> , 2016, 6, 26895.	3.3	78
61	Pharmacokinetics and bioavailability assessment of Miltefosine in rats using high performance liquid chromatography tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1031, 123-130.	2.3	15
62	Evaluation of anti-hypertensive activity of <i>Ulmus wallichiana</i> extract and fraction in SHR, DOCA-salt- and L-NAME-induced hypertensive rats. <i>Journal of Ethnopharmacology</i> , 2016, 193, 555-565.	4.1	33
63	Anti-breast tumor activity of <i>Eclipta</i> extract in-vitro and in-vivo: novel evidence of endoplasmic reticulum specific localization of Hsp60 during apoptosis. <i>Scientific Reports</i> , 2016, 5, 18457.	3.3	44
64	Metabolic profiling of a novel antithrombotic compound, S002-333 and enantiomers: metabolic stability, species comparison and <i>in vitro</i> to <i>in vivo</i> extrapolation. <i>Biopharmaceutics and Drug Disposition</i> , 2016, 37, 185-199.	1.9	5
65	Chronic hyperinsulinemia reduces insulin sensitivity and metabolic functions of brown adipocyte. <i>Journal of Endocrinology</i> , 2016, 230, 275-290.	2.6	35
66	Theophylline, a methylxanthine drug induces osteopenia and alters calciotropic hormones, and prophylactic vitamin D treatment protects against these changes in rats. <i>Toxicology and Applied Pharmacology</i> , 2016, 295, 12-25.	2.8	30
67	Simultaneous quantification of proposed anti-malarial combination comprising of lumefantrine and CDRI 97-78 in rat plasma using the HPLC-ESI-MS/MS method: application to drug interaction study. <i>Malaria Journal</i> , 2015, 14, 172.	2.3	5
68	Pancreastatin-Dependent Inflammatory Signaling Mediates Obesity-Induced Insulin Resistance. <i>Diabetes</i> , 2015, 64, 104-116.	0.6	59
69	Pharmacokinetics, dose proportionality and permeability of S002-333 and its enantiomers, a potent antithrombotic agent, in rabbits. <i>Xenobiotica</i> , 2015, 45, 1016-1023.	1.1	9
70	Chromogranin B: intra- and extra-cellular mechanisms to regulate catecholamine storage and release, in catecholaminergic cells and organisms. <i>Journal of Neurochemistry</i> , 2014, 129, 48-59.	3.9	15
71	Nicotinic Acetylcholine Receptors in Glucose Homeostasis: The Acute Hyperglycemic and Chronic Insulin-Sensitive Effects of Nicotine Suggest Dual Opposing Roles of the Receptors in Male Mice. <i>Endocrinology</i> , 2014, 155, 3793-3805.	2.8	31
72	<i>In vitro</i> metabolism of a novel antithrombotic compound, S002-333, and its enantiomers: quantitative cytochrome P450 phenotyping, metabolic profiling and enzyme kinetic studies. <i>Xenobiotica</i> , 2014, 44, 295-308.	1.1	7

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73	Bone distribution study of anti leptotic drug clofazimine in rat bone marrow cells by a sensitive reverse phase liquid chromatography method. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014, 960, 82-86.	2.3	11
74	Orally Active Osteoanabolic Agent GTDF Binds to Adiponectin Receptors, With a Preference for AdipoR1, Induces Adiponectin-Associated Signaling, and Improves Metabolic Health in a Rodent Model of Diabetes. <i>Diabetes</i> , 2014, 63, 3530-3544.	0.6	33
75	Synthesis of novel $\hat{2}$ -carboline based chalcones with high cytotoxic activity against breast cancer cells. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 2820-2824.	2.2	53
76	Cardiac Electrical Activity in a Genomically "Humanized" Chromogranin A Monogenic Mouse Model with Hyperadrenergic Hypertension. <i>Journal of Cardiovascular Translational Research</i> , 2014, 7, 483-493.	2.4	5
77	Discovery of a Novel Target for the Dysglycemic Chromogranin A Fragment Pancreastatin: Interaction with the Chaperone GRP78 to Influence Metabolism. <i>PLoS ONE</i> , 2014, 9, e84132.	2.5	21
78	MicroRNA-22 and promoter motif polymorphisms at the Chga locus in genetic hypertension: functional and therapeutic implications for gene expression and the pathogenesis of hypertension. <i>Human Molecular Genetics</i> , 2013, 22, 3624-3640.	2.9	46
79	Pancreastatin is an endogenous peptide that regulates glucose homeostasis. <i>Physiological Genomics</i> , 2013, 45, 1060-1071.	2.3	29
80	Brain PPAR $\hat{3}$ promotes obesity and is required for the insulin "sensitizing effect of thiazolidinediones. <i>Nature Medicine</i> , 2011, 17, 618-622.	30.7	214
81	Catecholamine biosynthesis and secretion: physiological and pharmacological effects of secretin. <i>Cell and Tissue Research</i> , 2011, 345, 87-102.	2.9	4
82	Catecholamine Storage Vesicles: Role of Core Protein Genetic Polymorphisms in Hypertension. <i>Current Hypertension Reports</i> , 2011, 13, 36-45.	3.5	16
83	Naturally Occurring Genetic Variants in Human Chromogranin A (CHGA) Associated with Hypertension as well as Hypertensive Renal Disease. <i>Cellular and Molecular Neurobiology</i> , 2010, 30, 1395-1400.	3.3	9
84	Role of Reactive Oxygen Species in Hyperadrenergic Hypertension. <i>Circulation: Cardiovascular Genetics</i> , 2010, 3, 414-425.	5.1	42
85	Global metabolic consequences of the chromogranin A-null model of hypertension: transcriptomic detection, pathway identification, and experimental verification. <i>Physiological Genomics</i> , 2010, 40, 195-207.	2.3	16
86	Chromogranin A and the Autonomic System: Decomposition of Heart Rate Variability and Rescue by Its Catestatin Fragment. <i>Endocrinology</i> , 2010, 151, 2760-2768.	2.8	34
87	A Novel Pathway of Insulin Sensitivity in Chromogranin A Null Mice. <i>Journal of Biological Chemistry</i> , 2009, 284, 28498-28509.	3.4	87
88	Autonomic Function in Hypertension. <i>Circulation: Cardiovascular Genetics</i> , 2009, 2, 46-56.	5.1	26
89	Global Disturbances in Autonomic Function Yield Cardiovascular Instability and Hypertension in the Chromogranin A Null Mouse. <i>Endocrinology</i> , 2009, 150, 5027-5035.	2.8	60
90	Cathepsin L Colocalizes with Chromogranin A in Chromaffin Vesicles to Generate Active Peptides. <i>Endocrinology</i> , 2009, 150, 3547-3557.	2.8	67

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91	Natural Variation within the Neuronal Nicotinic Acetylcholine Receptor Cluster on Human Chromosome 15q24: Influence on Heritable Autonomic Traits in Twin Pairs. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2009, 331, 419-428.	2.5	8
92	Proteolytic Cleavage of Human Chromogranin A Containing Naturally Occurring Catestatin Variants: Differential Processing at Catestatin Region by Plasmin. <i>Endocrinology</i> , 2008, 149, 749-757.	2.8	50
93	Catecholamine Releaseâ€“Inhibitory Peptide Catestatin (Chromogranin A 352â€“372). <i>Circulation</i> , 2007, 115, 2271-2281.	1.6	105
94	Antibacterial and toxicological evaluation of beta-lactams synthesized by immobilized beta-lactamase-free penicillin amidase produced by <i>Alcaligenes</i> sp. <i>Indian Journal of Experimental Biology</i> , 2007, 45, 1068-72.	0.0	2
95	Molecular basis of neuroendocrine cell type-specific expression of the chromograninâ€“B gene: crucial role of the transcription factors CREB, AP-2, Egr-1 and Sp1. <i>Journal of Neurochemistry</i> , 2006, 99, 119-133.	3.9	27