## Anil Gulati

## List of Publications by Year in descending order

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117	2,295	27 h-index	38
papers	citations		g-index
126	126	126	1612
all docs	docs citations	times ranked	citing authors

#	Article	IF	CITATIONS
1	Neuroprotective Effect of Sovateltide (IRL 1620, PMZ 1620) in a Neonatal Rat Model of Hypoxic-Ischemic Encephalopathy. Neuroscience, 2022, 480, 194-202.	1.1	4
2	Attenuation of opioid tolerance by ETA receptor antagonist, BQ123, administered intravenously in mice. Journal of Pharmacy and Pharmacology, 2022, 74, 769-778.	1.2	1
3	Sovateltide Mediated Endothelin B Receptors Agonism and Curbing Neurological Disorders. International Journal of Molecular Sciences, 2022, 23, 3146.	1.8	11
4	Vancomycin Pharmacokinetics in a Pregnancy Rat Model. Antimicrobial Agents and Chemotherapy, 2022, 66, e0005622.	1.4	1
5	Safety and Efficacy of Sovateltide (IRL-1620) in a Multicenter Randomized Controlled Clinical Trial in Patients with Acute Cerebral Ischemic Stroke. CNS Drugs, 2021, 35, 85-104.	2.7	20
6	Resuscitative Effect of Centhaquine (Lyfaquin $\hat{A}^{\otimes}$ ) in Hypovolemic Shock Patients: A Randomized, Multicentric, Controlled Trial. Advances in Therapy, 2021, 38, 3223-3265.	1.3	7
7	Centhaquine Restores Renal Blood Flow and Protects Tissue Damage After Hemorrhagic Shock and Renal Ischemia. Frontiers in Pharmacology, 2021, 12, 616253.	1.6	8
8	A Multicentric, Randomized, Controlled Phase III Study of Centhaquine (Lyfaquin $\hat{A}^{@}$ ) as a Resuscitative Agent in Hypovolemic Shock Patients. Drugs, 2021, 81, 1079-1100.	4.9	6
9	Exposure to Morphine and Caffeine Induces Apoptosis and Mitochondrial Dysfunction in a Neonatal Rat Brain. Frontiers in Pediatrics, 2020, 8, 593.	0.9	17
10	Sovateltide (IRL-1620) activates neuronal differentiation and prevents mitochondrial dysfunction in adult mammalian brains following stroke. Scientific Reports, 2020, 10, 12737.	1.6	20
11	Relationship Between Oxidative Stress Markers and Endothelin-1 Levels in Newborns of Different Gestational Ages. Frontiers in Pediatrics, 2020, 8, 279.	0.9	6
12	Anti-apoptotic and Immunomodulatory Effect of CB2 Agonist, JWH133, in a Neonatal Rat Model of Hypoxic-Ischemic Encephalopathy. Frontiers in Pediatrics, 2020, 8, 65.	0.9	5
13	Sovateltide (IRL-1620) affects neuronal progenitors and prevents cerebral tissue damage after ischemic stroke. Canadian Journal of Physiology and Pharmacology, 2020, 98, 659-666.	0.7	18
14	1732: A PHASE II MULTICENTRIC RANDOMIZED CONTROLLED STUDY OF CENTHAQUINE IN HEMORRHAGIC SHOCK PATIENTS. Critical Care Medicine, 2020, 48, 840-840.	0.4	3
15	Centhaquine citrate. alpha2B-Adrenoceptor ligand, Resuscitative agent for hypovolemic shock. Drugs of the Future, 2020, 45, 153.	0.0	6
16	Resuscitation with centhaquin and 6% hydroxyethyl starch 130/0.4 improves survival in a swine model of hemorrhagic shock: a randomized experimental study. European Journal of Trauma and Emergency Surgery, 2019, 45, 1077-1085.	0.8	13
17	Anti-apoptotic activity of ETB receptor agonist, IRL-1620, protects neural cells in rats with cerebral ischemia. Scientific Reports, 2019, 9, 10439.	1.6	21
18	Two-Dimensional Electrophoresis and Mass Spectrometry for Protein Identification. Methods in Molecular Biology, 2019, 2029, 185-195.	0.4	1

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19	Evaluation of Fetal and Maternal Vancomycin-Induced Kidney Injury during Pregnancy in a Rat Model. Antimicrobial Agents and Chemotherapy, 2019, 63, .	1.4	5
20	Twenty-four hour pharmacokinetic relationships for intravenous vancomycin and novel urinary biomarkers of acute kidney injury in a rat model. Journal of Antimicrobial Chemotherapy, 2019, 74, 2326-2334.	1.3	41
21	Comparative Performance of Urinary Biomarkers for Vancomycin-Induced Kidney Injury According to Timeline of Injury. Antimicrobial Agents and Chemotherapy, 2019, 63, .	1.4	46
22	Towards long-acting adrenaline for cardiopulmonary resuscitation: Production and characterization of a liposomal formulation. International Journal of Pharmaceutics, 2019, 557, 105-111.	2.6	4
23	Endothelin-1 Decreases Excitability of the Dorsal Root Ganglion Neurons via ETB Receptor. Molecular Neurobiology, 2018, 55, 4297-4310.	1.9	8
24	Neuroprotective Effect of IRL-1620, an Endothelin B Receptor Agonist, on a Pediatric Rat Model of Middle Cerebral Artery Occlusion. Frontiers in Pediatrics, 2018, 6, 310.	0.9	8
25	A Novel Neuroregenerative Approach Using ETB Receptor Agonist, IRL-1620, to Treat CNS Disorders. Physiological Research, 2018, 67, S95-S113.	0.4	26
26	Alterations in Endothelin Receptors Following Hemorrhage and Resuscitation by Centhaquin. Physiological Research, 2018, 67, S199-S214.	0.4	0
27	Centhaquin Effects in a Swine Model of Ventricular Fibrillation. Heart Lung and Circulation, 2017, 26, 856-863.	0.2	5
28	Body mass index and outcome of out-of-hospital cardiac arrest patients not treated by targeted temperature management. American Journal of Emergency Medicine, 2017, 35, 1247-1251.	0.7	13
29	24-Hour Pharmacokinetic Relationships for Vancomycin and Novel Urinary Biomarkers of Acute Kidney Injury. Antimicrobial Agents and Chemotherapy, 2017, 61, .	1.4	39
30	Maternal Cannabinoid Use Alters Cannabinoid (CB <sub>1</sub> ) and Endothelin (ET <sub>B</sub> ) Receptor Expression in the Brains of Dams but Not Their Offspring. Developmental Neuroscience, 2017, 39, 498-506.	1.0	8
31	Attenuation of opioid tolerance by ET B receptor agonist, IRL-1620, is independent of an accompanied decrease in nerve growth factor in mice. Heliyon, 2017, 3, e00317.	1.4	4
32	Endothelin-1 levels and renal function in newborns of various gestational ages. Journal of Neonatal-Perinatal Medicine, 2016, 9, 145-152.	0.4	4
33	Prenatal Oxycodone Exposure Alters CNS Endothelin Receptor Expression in Neonatal Rats. Drug Research, 2016, 66, 246-250.	0.7	17
34	Distinct Alteration in Brain Endothelin A and B Receptor Characteristics Following Focal Cerebral Ischemia in Rats. Drug Research, 2016, 66, 189-195.	0.7	4
35	Pharmacokinetics of centhaquin citrate in a rat model. Journal of Pharmacy and Pharmacology, 2016, 68, 56-62.	1.2	7
36	Evaluation of Vancomycin Exposures Associated with Elevations in Novel Urinary Biomarkers of Acute Kidney Injury in Vancomycin-Treated Rats. Antimicrobial Agents and Chemotherapy, 2016, 60, 5742-5751.	1.4	61

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37	Centhaquin attenuates hyperalgesia and non-evoked guarding in a rat model of postoperative pain primarily through $\hat{l}\pm 2B$ -adrenoceptors. European Journal of Pharmacology, 2016, 789, 81-87.	1.7	5
38	Pharmacokinetics of centhaquin citrate in a dog model. Journal of Pharmacy and Pharmacology, 2016, 68, 803-809.	1.2	6
39	Neurobiology of opioid withdrawal: Role of the endothelin system. Life Sciences, 2016, 159, 34-42.	2.0	9
40	Centhaquin improves survival in a swine model of hemorrhagic shock. Journal of Surgical Research, 2016, 200, 227-235.	0.8	12
41	Evaluation of liposomal nanocarriers loaded with ETB receptor agonist, IRL-1620, using cell-based assays. Neuroscience, 2016, 312, 141-152.	1.1	10
42	Endothelin Receptors, Mitochondria and Neurogenesis in Cerebral Ischemia. Current Neuropharmacology, 2016, 14, 619-626.	1.4	34
43	Vascular Endothelium and Hypovolemic Shock. Current Vascular Pharmacology, 2016, 14, 187-195.	0.8	37
44	Selective Endothelin-B Receptor Stimulation Increases Vascular Endothelial Growth Factor in the Rat Brain during Postnatal Development. Drug Research, 2015, 65, 607-613.	0.7	22
45	The pathophysiologies of asphyxial vs dysrhythmic cardiac arrest: implications for resuscitation and post-event management. American Journal of Emergency Medicine, 2015, 33, 1297-1304.	0.7	31
46	Stimulation of endothelin B receptors by IRL-1620 decreases the progression of Alzheimer's disease. Neuroscience, 2015, 301, 1-11.	1.1	44
47	Endothelin ET <sub>A</sub> receptor antagonist reverses naloxone-precipitated opioid withdrawal in mice. Canadian Journal of Physiology and Pharmacology, 2015, 93, 935-944.	0.7	16
48	Synthesis and Characterization of Centhaquin and its Citrate Salt and a Comparative Evaluation of their Cardiovascular Actions. Drug Research, 2015, 65, 184-191.	0.7	4
49	Ontogeny of endothelin receptors in the brain, heart, and kidneys of neonatal rats. Brain and Development, 2015, 37, 206-215.	0.6	14
50	Understanding neurogenesis in the adult human brain. Indian Journal of Pharmacology, 2015, 47, 583.	0.4	11
51	Abstract 17521: Safety and Efficacy of Centhaquin as a Novel Resuscitative Agent for Hypovolemic Shock. Circulation, 2015, 132, .	1.6	0
52	Neuroprotective and anti-apoptotic effects of liraglutide in the rat brain following focal cerebral ischemia. Neuroscience, 2014, 281, 269-281.	1.1	86
53	Endothelin receptor type B agonist, IRL-1620, prevents beta amyloid $(A\hat{I}^2)$ induced oxidative stress and cognitive impairment in normal and diabetic rats. Pharmacology Biochemistry and Behavior, 2014, 120, 65-72.	1.3	35
54	Synthesis and antinociceptive properties of N-phenyl-N-(1-(2-(thiophen-2-yl)ethyl)azepane-4-yl)propionamide in the mouse tail-flick and hot-plate tests. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 644-648.	1.0	5

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55	Emission of volatile organic compounds from medical equipment inside neonatal incubators. Journal of Perinatology, 2014, 34, 624-628.	0.9	7
56	Scale Reduction of a Systems Coagulation Model With an Application to Modeling Pharmacokinetic–Pharmacodynamic Data. CPT: Pharmacometrics and Systems Pharmacology, 2014, 3, 1-8.	1.3	24
57	Resuscitative effect of centhaquin after hemorrhagic shock in rats. Journal of Surgical Research, 2013, 179, 115-124.	0.8	17
58	Centhaquin antinociception in mice is mediated by $\hat{l}\pm2A$ - and $\hat{l}\pm2B$ - but not $\hat{l}\pm2C$ -adrenoceptors. European Journal of Pharmacology, 2013, 715, 328-336.	1.7	14
59	Endothelin B receptor agonist, IRL-1620, enhances angiogenesis and neurogenesis following cerebral ischemia in rats. Brain Research, 2013, 1528, 28-41.	1.1	50
60	Efficacy of centhaquin as a small volume resuscitative agent in severely hemorrhaged rats. American Journal of Emergency Medicine, 2013, 31, 1315-1321.	0.7	10
61	Potentiation of oxycodone antinociception in mice by agmatine and BMS182874 via an imidazoline I2 receptor-mediated mechanism. Pharmacology Biochemistry and Behavior, 2013, 103, 550-560.	1.3	13
62	Involvement of α <sub>2</sub> â€adrenoceptors, imidazoline, and endothelinâ€ <scp>A</scp> receptors in the effect of agmatine on morphine and oxycodoneâ€induced hypothermia in mice. Fundamental and Clinical Pharmacology, 2013, 27, 498-509.	1.0	9
63	534. Critical Care Medicine, 2013, 41, A130-A131.	0.4	3
64	Repeated Administration of Centhaquin to Pregnant Rats did not Affect Postnatal Development and Expression of Endothelin Receptors in the Brain, Heart or Kidney of Pups. Arzneimittelforschung, 2012, 62, 670-676.	0.5	4
65	IRL-1620, an Endothelin-B Receptor Agonist, Enhanced Radiation Induced Reduction in Tumor Volume in Dalton's Lymphoma Ascites Tumor Model. Arzneimittelforschung, 2012, 62, 14-17.	0.5	10
66	Centhaquin improves resuscitative effect of hypertonic saline in hemorrhaged rats. Journal of Surgical Research, 2012, 178, 415-423.	0.8	14
67	Effect of phototherapy on airborne concentrations of volatile organic compounds found in neonatal incubators. Journal of Neonatal-Perinatal Medicine, 2012, 5, 221-227.	0.4	1
68	Targeting endothelin receptors for pharmacotherapy of ischemic stroke: current scenario and future perspectives. Drug Discovery Today, 2012, 17, 793-804.	3.2	20
69	Tramadol antinociception is potentiated by clonidine through $\hat{l}\pm 2$ -adrenergic and I2-imidazoline but not by endothelin ETA receptors in mice. European Journal of Pharmacology, 2012, 683, 109-115.	1.7	14
70	Repeated administration of exendin-4 reduces focal cerebral ischemia-induced infarction in rats. Brain Research, 2012, 1427, 23-34.	1.1	59
71	Endothelin B receptor agonist, IRL-1620, provides long-term neuroprotection in cerebral ischemia in rats. Brain Research, 2012, 1464, 14-23.	1.1	44
72	Assessment of the Analgesic Effect of Centhaquin in Mouse Tail Flick and Hot-Plate Tests. Pharmacology, 2011, 88, 233-241.	0.9	9

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73	Stereoselectivity of κ-opiate receptor ligands in inhibiting the binding of [3H][3-MeHis2]thyrotrophin releasing hormone to brain membranes. Journal of Pharmacy and Pharmacology, 2011, 40, 70-72.	1.2	5
74	Endothelin-A Receptor Antagonists Prevent Amyloid-Î <sup>2</sup> -Induced Increase in ETA Receptor Expression, Oxidative Stress, and Cognitive Impairment. Journal of Alzheimer's Disease, 2011, 23, 491-503.	1.2	43
75	Determination of $\hat{l}\pm 2$ -adrenoceptor and imidazoline receptor involvement in augmentation of morphine and oxycodone analgesia by agmatine and BMS182874. European Journal of Pharmacology, 2011, 651, 109-121.	1.7	22
76	Endothelin B receptor agonist, IRL-1620, reduces neurological damage following permanent middle cerebral artery occlusion in rats. Brain Research, 2011, 1420, 48-58.	1.1	47
77	Study of Adrenergic, Imidazoline, and Endothelin Receptors in Clonidine-, Morphine-, and Oxycodone-Induced Changes in Rat Body Temperature. Pharmacology, 2011, 87, 169-179.	0.9	14
78	ETB receptor agonist, IRL 1620, does not affect paclitaxel plasma pharmacokinetics in breast tumour bearing ratsâ€. Journal of Pharmacy and Pharmacology, 2010, 57, 869-876.	1.2	7
79	Endothelin-A receptor antagonist BQ123 potentiates acetaminophen induced hypothermia and reduces infarction following focal cerebral ischemia in rats. European Journal of Pharmacology, 2010, 644, 73-79.	1.7	24
80	Involvement of imidazoline and opioid receptors in the enhancement of clonidine-induced analgesia by sulfisoxazole. Canadian Journal of Physiology and Pharmacology, 2010, 88, 541-552.	0.7	8
81	Endothelin modulates the cardiovascular effects of clonidine in the rat. Pharmacological Research, 2010, 62, 489-499.	3.1	23
82	Repeated administration of ETB receptor agonist, IRL-1620, produces tachyphylaxis only to its hypotensive effect. Pharmacological Research, 2009, 60, 402-410.	3.1	16
83	Determination of Adrenergic and Imidazoline Receptor Involvement in Augmentation of Morphine and Oxycodone Analgesia by Clonidine and BMS182874. Pharmacology, 2009, 83, 45-58.	0.9	25
84	IRL-1620, a tumor selective vasodilator, augments the uptake and efficacy of chemotherapeutic agents in prostate tumor rats. Prostate, 2007, 67, 701-713.	1.2	14
85	Effect of combination of endothelin receptor antagonist (TAK-044) and aspirin in middle cerebral artery occlusion model of acute ischemic stroke in rats. Methods and Findings in Experimental and Clinical Pharmacology, 2007, 29, 257.	0.8	12
86	Morphine tolerance does not develop in mice treated with endothelin-A receptor antagonists. Brain Research, 2005, 1064, 126-135.	1.1	24
87	Endothelin B receptor agonist, IRL 1620, enhances the anti-tumor efficacy of paclitaxel in breast tumor rats. Breast Cancer Research and Treatment, 2005, 94, 237-247.	1.1	39
88	Effect of endothelin antagonist (TAK-044) on cerebral ischemic volume, oxidative stress markers and neurobehavioral parameters in the middle cerebral artery occlusion model of stroke in rats. Life Sciences, 2005, 77, 15-27.	2.0	53
89	Endothelin-1-induced Vasodilatation in Rat Breast Tumor is Mediated through Endothelin-B Receptors. Journal of Cardiovascular Pharmacology, 2004, 44, S483-S486.	0.8	8
90	Evidence for the involvement of ET B receptors in ET-1-induced changes in blood flow to the rat breast tumor. Cancer Chemotherapy and Pharmacology, 2003, 51, 21-28.	1.1	24

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91	Endothelin receptor antagonists restore morphine analgesia in morphine tolerant rats. Peptides, 2003, 24, 553-561.	1.2	36
92	Decompensation Characterized by Decreased Perfusion of the Heart and Brain during Hemorrhagic Shock: Role of Endothelin-1. Journal of Trauma, 2002, 53, 531-536.	2.3	26
93	Potentiation of morphine analgesia by BQ123, an endothelin antagonist. Peptides, 2002, 23, 1837-1845.	1.2	36
94	Resuscitative effects of polynitroxylated $\hat{l}\pm\hat{l}\pm$ -cross-linked hemoglobin following severe hemorrhage in the rat. Free Radical Biology and Medicine, 2000, 29, 764-774.	1.3	27
95	Pharmacology of hemoglobin therapeutics. Translational Research, 1999, 133, 112-119.	2.4	57
96	DOSE-DEPENDENT EFFECT OF DIASPIRIN CROSS-LINKED HEMOGLOBIN ON REGIONAL BLOOD CIRCULATION OF SEVERELY HEMORRHAGED RATS. Shock, 1998, 9, 65-73.	1.0	42
97	Role of ET and NO in resuscitative effect of diaspirin cross-linked hemoglobin after hemorrhage in rat. American Journal of Physiology - Heart and Circulatory Physiology, 1997, 273, H827-H836.	1.5	29
98	Role of sympathetic nervous system in cardiovascular effects of centrally administered endothelin-1 in rats. American Journal of Physiology - Heart and Circulatory Physiology, 1997, 273, H1177-H1186.	1.5	24
99	Effect of centrally administered endothelin agonists on systemic and regional blood circulation in the rat: role of sympathetic nervous system. Neuropeptides, 1997, 31, 301-309.	0.9	25
100	Modification of systemic and regional circulatory effects of intracerebroventricular administration of endothelin-1 by propranolol in anesthetized rats. General Pharmacology, 1996, 27, 1025-1033.	0.7	10
101	Role of endothelin in the cardiovascular effects of diaspirin crosslinked and stroma reduced hemoglobin. Critical Care Medicine, 1996, 24, 137-147.	0.4	106
102	Endothelin ETA receptor antagonist, BQ-123, blocks the vasoconstriction induced by sarafotoxin 6b in the heart but not in other vascular beds. General Pharmacology, 1995, 26, 183-193.	0.7	13
103	Systemic hemodynamic and regional circulatory effects of centrally administered endothelin-1 are mediated through ETA receptors. Brain Research, 1995, 676, 141-150.	1.1	27
104	Cardiovascular effects of centrally administered endothelin-1 and its relationship to changes in cerebral blood flow. Life Sciences, 1995, 58, 437-445.	2.0	28
105	Cardiovascular Effects of Centrally Administered Endothelin-1 in Rats. Journal of Cardiovascular Pharmacology, 1995, 26, S244-246.	0.8	18
106	Cardiovascular effects of centrally administered endothelin-1 in rats. Journal of Cardiovascular Pharmacology, 1995, 26 Suppl 3, S244-6.	0.8	1
107	Regional Circulatory and Systemic Hemodynamic Effects of Diaspirin Cross-Linked Hemoglobin in the Rat. Artificial Cells, Blood Substitutes, and Biotechnology, 1994, 22, 593-602.	0.9	26
108	Diaspirin Cross-Linked Hemoglobin (DCLHB TM): Involvement of Adrenergic Mechanisms in the Pressor Effect. Artificial Cells, Blood Substitutes, and Biotechnology, 1994, 22, 603-612.	0.9	17

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109	Endothelin antagonizes the hypotension and potentiates the hypertension induced by clonidine. European Journal of Pharmacology, 1993, 230, 293-300.	1.7	20
110	Evidence for antagonistic activity of endothelin for clonidine induced hypotension and bradycardia. Life Sciences, 1992, 50, 153-160.	2.0	9
111	Ontogeny of endothelin and its receptors in rat brain. Life Sciences, 1992, 51, 1715-1724.	2.0	17
112	Characteristics of endothelin receptors in the central nervous system of spontaneously hypertensive rats. Neuropharmacology, 1992, 31, 243-250.	2.0	28
113	Effect of repeated administration of clonidine on adrenergic, cholinergic (muscarinic), dopaminergic, and serotonergic receptors in brain regions of rats. Drug Development Research, 1991, 22, 141-152.	1.4	10
114	Effect of repeated administration of centhaquin, a centrally acting hypotensive drug, on adrenergic, cholinergic (muscarinic), dopaminergic, and serotonergic receptors in brain regions of rat. Drug Development Research, 1991, 23, 307-323.	1.4	14
115	Cerebral cortical 5-HT1, and 5-HT2, receptors of morphine tolerant-dependent rats. Neuropharmacology, 1988, 27, 1231-1237.	2.0	40
116	Differential Alteration in Striatal Dopaminergic and Cortical Serotonergic Receptors Induced by Repeated Administration of Haloperidol or Centbutindole in Rats. Pharmacology, 1988, 36, 396-404.	0.9	9
117	On the mechanism of potentiation of apomorphine-induced stereotypy due to electroconvulsive shock. Neuropharmacology, 1987, 26, 1733-1737.	2.0	12