

Syed F Ali

List of Publications by Year in descending order

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80
papers

2,451
citations

172457

29
h-index

223800

46
g-index

87
all docs

87
docs citations

87
times ranked

4229
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of copper nanoparticles on rat cerebral microvessel endothelial cells. <i>Nanomedicine</i> , 2012, 7, 835-846.	3.3	127
2	Toxicity and efficacy of carbon nanotubes and graphene: the utility of carbon-based nanoparticles in nanomedicine. <i>Drug Metabolism Reviews</i> , 2014, 46, 232-246.	3.6	122
3	Food, Nutrigenomics, and Neurodegeneration—Neuroprotection by What You Eat!. <i>Molecular Neurobiology</i> , 2013, 48, 353-362.	4.0	117
4	Silver nanoparticle-induced mutations and oxidative stress in mouse lymphoma cells. <i>Environmental and Molecular Mutagenesis</i> , 2012, 53, 409-419.	2.2	97
5	Zebrafish Model in Drug Safety Assessment. <i>Current Pharmaceutical Design</i> , 2014, 20, 5416-5429.	1.9	89
6	Post-treatment with an ultra-low dose of NADPH oxidase inhibitor diphenyleneiodonium attenuates disease progression in multiple Parkinson's disease models. <i>Brain</i> , 2015, 138, 1247-1262.	7.6	86
7	Iron Oxide Nanoparticles Induce Dopaminergic Damage: In vitro Pathways and In Vivo Imaging Reveals Mechanism of Neuronal Damage. <i>Molecular Neurobiology</i> , 2015, 52, 913-926.	4.0	80
8	On the antioxidant, neuroprotective and anti-inflammatory properties of S-allyl cysteine: An update. <i>Neurochemistry International</i> , 2015, 89, 83-91.	3.8	72
9	Substance P Exacerbates Dopaminergic Neurodegeneration through Neurokinin-1 Receptor-Independent Activation of Microglial NADPH Oxidase. <i>Journal of Neuroscience</i> , 2014, 34, 12490-12503.	3.6	70
10	Developmental toxicity assay using high content screening of zebrafish embryos. <i>Journal of Applied Toxicology</i> , 2015, 35, 261-272.	2.8	67
11	Ketamine induces motor neuron toxicity and alters neurogenic and proneural gene expression in zebrafish. <i>Journal of Applied Toxicology</i> , 2013, 33, 410-417.	2.8	62
12	Neuroprotective Efficacy of a New Brain-Penetrating C-Abl Inhibitor in a Murine Parkinson's Disease Model. <i>PLoS ONE</i> , 2013, 8, e65129.	2.5	62
13	Role of oxidative stress in methamphetamine-induced dopaminergic toxicity mediated by protein kinase C β . <i>Behavioural Brain Research</i> , 2012, 232, 98-113.	2.2	61
14	Role of silver nanoparticles (AgNPs) on the cardiovascular system. <i>Archives of Toxicology</i> , 2016, 90, 493-511.	4.2	56
15	Neuronal Antibody Biomarkers for Sydenham's Chorea Identify a New Group of Children with Chronic Recurrent Episodic Acute Exacerbations of Tic and Obsessive Compulsive Symptoms Following a Streptococcal Infection. <i>PLoS ONE</i> , 2015, 10, e0120499.	2.5	56
16	Silver Nanoparticles Decrease Body Weight and Locomotor Activity in Adult Male Rats. <i>Small</i> , 2013, 9, 1715-1720.	10.0	54
17	Acetyl l-carnitine protects motor neurons and Rohon-Beard sensory neurons against ketamine-induced neurotoxicity in zebrafish embryos. <i>Neurotoxicology and Teratology</i> , 2013, 39, 69-76.	2.4	46
18	Porcine brain microvessel endothelial cells show pro-inflammatory response to the size and composition of metallic nanoparticles. <i>Drug Metabolism Reviews</i> , 2014, 46, 224-231.	3.6	46

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19	The Carnitine Palmitoyl Transferase (CPT) System and Possible Relevance for Neuropsychiatric and Neurological Conditions. <i>Molecular Neurobiology</i> , 2015, 52, 826-836.	4.0	46
20	Acetazolamide Mitigates Astrocyte Cellular Edema Following Mild Traumatic Brain Injury. <i>Scientific Reports</i> , 2016, 6, 33330.	3.3	42
21	The role of surface chemistry in the cytotoxicity profile of graphene. <i>Journal of Applied Toxicology</i> , 2017, 37, 462-470.	2.8	38
22	l-Carnitine rescues ketamine-induced attenuated heart rate and MAPK (ERK) activity in zebrafish embryos. <i>Reproductive Toxicology</i> , 2012, 33, 205-212.	2.9	35
23	Amyloid Beta 25â€“35 induces blood-brain barrier disruption in vitro. <i>Metabolic Brain Disease</i> , 2019, 34, 1365-1374.	2.9	35
24	Evidence for a Role of Transporter-Mediated Currents in the Depletion of Brain Serotonin Induced by Serotonin Transporter Substrates. <i>Neuropsychopharmacology</i> , 2014, 39, 1355-1365.	5.4	34
25	Methamphetamine, 3,4-methylenedioxymethamphetamine (MDMA) and 3,4-methylenedioxypropylamphetamine (MDPV) induce differential cytotoxic effects in bovine brain microvessel endothelial cells. <i>Neuroscience Letters</i> , 2016, 629, 125-130.	2.1	33
26	Validating the TeleStroke Mimic Score. <i>Stroke</i> , 2018, 49, 688-692.	2.0	31
27	Ketamine attenuates cytochrome p450 aromatase gene expression and estradiolâ€“17Î² levels in zebrafish early life stages. <i>Journal of Applied Toxicology</i> , 2014, 34, 480-488.	2.8	30
28	Neonatal tryptophan depletion and corticosterone supplementation modify emotional responses in adult male mice. <i>Psychoneuroendocrinology</i> , 2013, 38, 24-39.	2.7	29
29	The Janus faces of 3-hydroxykynurenine: Dual redox modulatory activity and lack of neurotoxicity in the rat striatum. <i>Brain Research</i> , 2014, 1589, 1-14.	2.2	28
30	Distinct effects of ketamine and acetyl l-carnitine on the dopamine system in zebrafish. <i>Neurotoxicology and Teratology</i> , 2016, 54, 52-60.	2.4	28
31	Iron oxide nanoparticles induce cytokine secretion in a complement-dependent manner in a human whole blood model. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 3927-3940.	6.7	27
32	The prolactin family hormones regulate vascular tone through NO and prostacyclin production in isolated rat aortic rings. <i>Acta Pharmacologica Sinica</i> , 2015, 36, 572-586.	6.1	26
33	Nicotine alters the expression of molecular markers of endocrine disruption in zebrafish. <i>Neuroscience Letters</i> , 2012, 526, 133-137.	2.1	25
34	Silver nanoparticles induce anti-proliferative effects on airway smooth muscle cells. Role of nitric oxide and muscarinic receptor signaling pathway. <i>Toxicology Letters</i> , 2014, 224, 246-256.	0.8	23
35	Regulation of striatal astrocytic receptor for advanced glycation endâ€“products variants in an early stage of experimental Parkinson's disease. <i>Journal of Neurochemistry</i> , 2016, 138, 598-609.	3.9	23
36	Protein Kinases and Parkinsonâ€™s Disease. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1585.	4.1	22

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37	Isolation and Culture of Brain Microvascular Endothelial Cells for In Vitro Blood-Brain Barrier Studies. <i>Methods in Molecular Biology</i> , 2018, 1727, 315-331.	0.9	22
38	Disruption of striatal glutamatergic/GABAergic homeostasis following acute methamphetamine in mice. <i>Neurotoxicology and Teratology</i> , 2012, 34, 522-529.	2.4	21
39	Prolactin and Blood-Brain Barrier Permeability. <i>Current Neurovascular Research</i> , 2013, 10, 278-286.	1.1	21
40	Chronic exposure to rotenone, a dopaminergic toxin, results in peripheral neuropathy associated with dopaminergic damage. <i>Neuroscience Letters</i> , 2013, 541, 233-237.	2.1	20
41	Cyclosporine exacerbates ketamine toxicity in zebrafish: Mechanistic studies on drug-drug interaction. <i>Journal of Applied Toxicology</i> , 2017, 37, 1438-1447.	2.8	20
42	Effects of ultrafine diesel exhaust particles on oxidative stress generation and dopamine metabolism in PC-12 cells. <i>Environmental Toxicology and Pharmacology</i> , 2014, 37, 954-959.	4.0	19
43	Opposing effects of ketamine and acetyl L-carnitine on the serotonergic system of zebrafish. <i>Neuroscience Letters</i> , 2015, 607, 17-22.	2.1	19
44	Prolactin Protects Against the Methamphetamine-Induced Cerebral Vascular Toxicity. <i>Current Neurovascular Research</i> , 2013, 10, 346-355.	1.1	19
45	Acetyl L-carnitine targets adenosine triphosphate synthase in protecting zebrafish embryos from toxicities induced by verapamil and ketamine: An <i>in vivo</i> assessment. <i>Journal of Applied Toxicology</i> , 2017, 37, 192-200.	2.8	17
46	Mechanistic studies on ketamine-induced mitochondrial toxicity in zebrafish embryos. <i>Neurotoxicology and Teratology</i> , 2018, 69, 63-72.	2.4	17
47	Selenium-induced antioxidant protection recruits modulation of thioredoxin reductase during excitotoxic/pro-oxidant events in the rat striatum. <i>Neurochemistry International</i> , 2012, 61, 195-206.	3.8	16
48	Characterization of Biaxial Stretch as an In Vitro Model of Traumatic Brain Injury to the Blood-Brain Barrier. <i>Molecular Neurobiology</i> , 2018, 55, 258-266.	4.0	16
49	Iron oxide nanoparticles enhance Toll-like receptor-induced cytokines in a particle size- and actin-dependent manner in human blood. <i>Nanomedicine</i> , 2018, 13, 1773-1785.	3.3	16
50	Characterization of Serum Exosomes from a Transgenic Mouse Model of Alzheimer's Disease. <i>Current Alzheimer Research</i> , 2019, 16, 388-395.	1.4	16
51	Ketamine-induced attenuation of reactive oxygen species in zebrafish is prevented by acetyl L-carnitine <i>in vivo</i> . <i>Neuroscience Letters</i> , 2019, 706, 36-42.	2.1	13
52	Immunization with DAT fragments is associated with long-term striatal impairment, hyperactivity and reduced cognitive flexibility in mice. <i>Behavioral and Brain Functions</i> , 2012, 8, 54.	3.3	12
53	Characterization of uniaxial high-speed stretch as an <i>in vitro</i> model of mild traumatic brain injury on the blood-brain barrier. <i>Neuroscience Letters</i> , 2018, 672, 123-129.	2.1	12
54	Effects of a short-course MDMA binge on dopamine transporter binding and on levels of dopamine and its metabolites in adult male rats. <i>European Journal of Pharmacology</i> , 2013, 701, 176-180.	3.5	11

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55	The effects of physical exercise on nonmotor symptoms and on neuroimmune RAGE network in experimental parkinsonism. <i>Journal of Applied Physiology</i> , 2017, 123, 161-171.	2.5	11
56	3,4-methylenedioxypropylamphetamine (MDPV) Induces Cytotoxic Effects on Human Dopaminergic SH-SY5Y Cells. <i>Journal of Drug and Alcohol Research</i> , 2016, 5, 1-6.	0.9	11
57	Toxicity of low doses of ultrafine diesel exhaust particles on bovine brain microvessel endothelial cells. <i>Molecular and Cellular Toxicology</i> , 2014, 10, 245-250.	1.7	10
58	In vitro detection of cytotoxicity using FluoroJade-C. <i>Toxicology in Vitro</i> , 2014, 28, 469-472.	2.4	10
59	Effects of adolescent treatment with nicotine, harmaline, or norharmane in male Sprague-Dawley rats. <i>Neurotoxicology and Teratology</i> , 2015, 47, 25-35.	2.4	10
60	Quantification of cellular associated graphene and induced surface receptor responses. <i>Nanoscale</i> , 2019, 11, 932-944.	5.6	10
61	Cytotoxicity profile of pristine graphene on brain microvascular endothelial cells. <i>Journal of Applied Toxicology</i> , 2019, 39, 966-973.	2.8	10
62	Presymptomatic MPTP Mice Show Neurotrophic S100B/mRAGE Striatal Levels. <i>CNS Neuroscience and Therapeutics</i> , 2016, 22, 396-403.	3.9	9
63	Monoaminergic toxicity induced by cathinone phthalimide: An in vitro study. <i>Neuroscience Letters</i> , 2017, 655, 76-81.	2.1	8
64	Stretch-Induced Deformation as a Model to Study Dopaminergic Dysfunction in Traumatic Brain Injury. <i>Neurochemical Research</i> , 2019, 44, 2546-2555.	3.3	8
65	An Alternative In Vitro Method for Examining Nanoparticle-Induced Cytotoxicity. <i>International Journal of Toxicology</i> , 2019, 38, 385-394.	1.2	7
66	Fucoidan Extracted from Hijiki Protects Brain Microvessel Endothelial Cells Against Diesel Exhaust Particle Exposure-Induced Disruption. <i>Journal of Medicinal Food</i> , 2016, 19, 466-471.	1.5	6
67	Nifedipine toxicity is exacerbated by acetyl L-carnitine but alleviated by low-dose ketamine in zebrafish in vivo. <i>Journal of Applied Toxicology</i> , 2020, 40, 257-269.	2.8	4
68	Application of an integrated cheminformatics-molecular docking approach for discovery for physicochemically similar analogs of fluoroquinolones as putative HCV inhibitors. <i>Computational Biology and Chemistry</i> , 2020, 84, 107167.	2.3	4
69	Blood-Brain Barrier: Physiological and Functional Considerations. , 2018, , 229-236.		3
70	Effects of acetyl L-carnitine on zebrafish embryos: Phenotypic and gene expression studies. <i>Journal of Applied Toxicology</i> , 2021, 41, 256-264.	2.8	3
71	The Role of Harmaline and Norharmane in In Vitro Dopaminergic Function. <i>Journal of Drug and Alcohol Research</i> , 2015, 4, 1-8.	0.9	3
72	Dr. Daniel Acosta and In Vitro toxicology at the U.S. Food and Drug Administration's National Center for Toxicological Research. <i>Toxicology in Vitro</i> , 2020, 64, 104471.	2.4	2

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73	Acute MDPV Binge Paradigm on Mice Emotional Behavior and Glial Signature. <i>Pharmaceuticals</i> , 2021, 14, 271.	3.8	1
74	Tyrosine Kinase Inhibitors and Neurodegenerative Disorders. <i>Oxidative Stress in Applied Basic Research and Clinical Practice</i> , 2016, , 81-91.	0.4	1
75	The Utility of a Nonhuman Primate Model for Assessing Anesthetic-Induced Developmental Neurotoxicity. <i>Journal of Drug and Alcohol Research</i> , 2017, 6, 1-10.	0.9	1
76	Silver nanoparticles Induce Anti-Proliferative Effects on Airway Smooth Muscle Cells. Role of Nitric Oxide and Muscarinic Receptor Signaling Pathway. <i>Free Radical Biology and Medicine</i> , 2013, 65, S104.	2.9	0
77	Ontogeny of Second Messenger Systems. , 2018, , 199-206.		0
78	Neurotoxicity of thallium: Old issues and new developments. <i>Advances in Neurotoxicology</i> , 2021, , 285-297.	1.9	0
79	Blood-Brain Barrier (BBB). , 2017, , 238-261.		0
80	Abstract TP35: Rates of Endovascular Therapy in Acute Ischemic Stroke Patients With NIHSS < 6 and Outcomes. <i>Stroke</i> , 2019, 50, .	2.0	0