Khaled S Abd-Elrahman

List of Publications by Year
in descending order

38 papers	712 citations	566801 15 h-index	580395 25 g-index
39 all docs	39 docs citations	39 times ranked	720 citing authors

#	Article	IF	Citations
1	The Role of Neuroglial Metabotropic Glutamate Receptors in Alzheimerâ€™s Disease. Current Neuropharmacology, 2023, 21, 273-283.	1.4	10
2	Noncanonical Metabotropic Glutamate Receptor 5 Signaling in Alzheimer's Disease. Annual Review of Pharmacology and Toxicology, 2022, 62, 235-254.	4.2	36
3	A positive allosteric modulator for the muscarinic receptor (M1 mAChR) improves pathology and cognitive deficits in female <scp>APPswe</scp>/PSEN1Î”E9 mice. British Journal of Pharmacology, 2022, 179, 1769-1783.	2.7	14
4	Metabotropic Glutamate Receptor 5 Antagonism Reduces Pathology and Differentially Improves Symptoms in Male and Female Heterozygous zQ175 Huntingtonâ€™s Mice. Frontiers in Molecular Neuroscience, 2022, 15, 801757.	1.4	11
5	Early metabolic impairment as a contributor to neurodegenerative disease: Mechanisms and potential pharmacological intervention. Obesity, 2022, 30, 982-993.	1.5	11
6	VGLUT3 ablation differentially modulates glutamate receptor densities in mouse brain. ENeuro, 2022, , ENEURO.0041-22.2022.	0.9	1
7	Optineurin deletion disrupts metabotropic glutamate receptor 5-mediated regulation of ERK1/2, GSK3Î²/ZBTB16, mTOR/ULK1 signaling in autophagy. Biochemical Pharmacology, 2021, 185, 114427.	2.0	15
8	The pleiotropic effects of antithrombotic drugs in the metabolicâ€“cardiovascularâ€“neurodegenerative disease continuum: impact beyond reduced clotting. Clinical Science, 2021, 135, 1015-1051.	1.8	9
9	Sexâ€biased mGluR5 pharmacology and pathophysiological signaling in Alzheimer's disease. FASEB Journal, 2021, 35, .	0.2	0
10	Ablation of optineurin impairs metabotropic glutamate receptor 5 signaling in mouse hippocampus. FASEB Journal, 2021, 35, .	0.2	0
11	Metabotropic Glutamate Receptor 2/3 Activation Improves Motor Performance and Reduces Pathology in Heterozygous zQ175 Huntington Disease Mice. Journal of Pharmacology and Experimental Therapeutics, 2021, 379, 74-84.	1.3	12
12	mGluR5 Allosteric Modulation Promotes Neurorecovery in a 6-OHDA-Toxicant Model of Parkinsonâ€™s Disease. Molecular Neurobiology, 2020, 57, 1418-1431.	1.9	25
13	Targeting VGLUT Machinery: Implications on mGluR5 Signaling and Behavior. Molecular Pharmacology, 2020, 98, MOLPHARM-MR-2020-000089.	1.0	14
14	mGluR5 regulates REST/NRSF signaling through N-cadherin/Î²-catenin complex in Huntingtonâ€™s disease. Molecular Brain, 2020, 13, 118.	1.3	20
15	Targeting Vesicular Glutamate Transporter Machinery: Implications on Metabotropic Glutamate Receptor 5 Signaling and Behavior. Molecular Pharmacology, 2020, 98, 314-327.	1.0	2
16	AÎ² oligomers induce pathophysiological mGluR5 signaling in Alzheimerâ€™s disease model mice in a sex-selective manner. Science Signaling, 2020, 13, .	1.6	45
17	mGluR5 Contribution to Neuropathology in Alzheimer Mice Is Disease Stage-Dependent. ACS Pharmacology and Translational Science, 2020, 3, 334-344.	2.5	34
18	Podocyte NADPH Oxidase 5 Promotes Renal Inflammation Regulated by the Toll-Like Receptor Pathway. Antioxidants and Redox Signaling, 2019, 30, 1817-1830.	2.5	21

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19	Structural determinants governing Î²-arrestin2 interaction with PDZ proteins and recruitment to CRFR1. Cellular Signalling, 2019, 63, 109361.	1.7	9
20	Amelioration of perivascular adipose inflammation reverses vascular dysfunction in a model of nonobese prediabetic metabolic challenge: potential role of antidiabetic drugs. Translational Research, 2019, 214, 121-143.	2.2	27
21	Modulation of mTOR and CREB pathways following mGluR5 blockade contribute to improved Huntingtonâ€™s pathology in zQ175 mice. Molecular Brain, 2019, 12, 35.	1.3	67
22	mGluR5 regulates ZBTB16 pathway of autophagy in Alzheimer's disease in a sexâ€specific manner. FASEB Journal, 2019, 33, 810.5.	0.2	1
23	Autophagy is increased following either pharmacological or genetic silencing of mGluR5 signaling in Alzheimerâ€™s disease mouse models. Molecular Brain, 2018, 11, 19.	1.3	38
24	GRK2 knockdown in mice exacerbates kidney injury and alters renal mechanisms of blood pressure regulation. Scientific Reports, 2018, 8, 11415.	1.6	10
25	Metabotropic glutamate receptor 5 (mGluR5) blockade ameliorates Huntington's disease pathology via activating convergent mechanisms of autophagy. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, OR24-3.	0.0	0
26	Abnormal myosin phosphatase targeting subunit 1 phosphorylation and actin polymerization contribute to impaired myogenic regulation of cerebral arterial diameter in the type 2 diabetic Goto-Kakizaki rat. Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 227-240.	2.4	17
27	mGluR5 antagonism increases autophagy and prevents disease progression in the zQ175 mouse model of Huntingtonâ€™s disease. Science Signaling, 2017, 10, .	1.6	70
28	ROK and Arteriolar Myogenic Tone Generation: Molecular Evidence in Health and Disease. Frontiers in Pharmacology, 2017, 08, 87.	1.6	20
29	Vascular Smooth Muscle-Specific EP4 Receptor Deletion in Mice Exacerbates Angiotensin II-Induced Renal Injury. Antioxidants and Redox Signaling, 2016, 25, 642-656.	2.5	12
30	PKC-mediated cerebral vasoconstriction: Role of myosin light chain phosphorylation versus actin cytoskeleton reorganization. Biochemical Pharmacology, 2015, 95, 263-278.	2.0	34
31	Abnormal Rho-associated kinase activity contributes to the dysfunctional myogenic response of cerebral arteries in type 2 diabetes. Canadian Journal of Physiology and Pharmacology, 2015, 93, 177-184.	0.7	17
32	PPARÎ³ Dependence of Cyclosporineâ€“Isoprenaline Renovascular Interaction: Roles of Nitric Oxide Synthase and Heme Oxygenase. Journal of Cardiovascular Pharmacology, 2011, 58, 173-180.	0.8	10
33	Pioglitazone abrogates cyclosporine-evoked hypertension via rectifying abnormalities in vascular endothelial function. Biochemical Pharmacology, 2011, 81, 526-533.	2.0	36
34	Role of PPARÎ³/Nitric Oxide Synthase Signaling in the Cyclosporine-induced Attenuation of Endothelium-dependent Renovascular Vasodilation. Journal of Cardiovascular Pharmacology, 2010, 56, 195-202.	0.8	7
35	Stromatoxinâ€sensitive, heteromultimeric Kv2.1/Kv9.3 channels contribute to myogenic control of cerebral arterial diameter. Journal of Physiology, 2010, 588, 4519-4537.	1.3	52
36	Improved Antioxidant And Lipid Profiles Underlie The Protective Effect Of Pioglitazone Against Cyclosporineâ€Induced Endothelium Dysfunction In Isolated Rat Aortas. FASEB Journal, 2010, 24, 961.13.	0.2	0

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37	Pioglitazone Ameliorates Cyclosporineâ€Induced Attenuation Of Carbachol Renovascular Vasodilations: Role Of PPARÎ³/Nitric Oxide Synthase Signaling. FASEB Journal, 2010, 24, 959.11.	0.2	0
38	Amyloid Î² Oligomers Induce Sex-Specific Pathophysiological mGluR5 Signaling in Alzheimer Mice. SSRN Electronic Journal, 0, , .	0.4	4