

# Alexander Y Kots

## List of Publications by Year in descending order

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31  
papers

898  
citations

471509

17  
h-index

454955

30  
g-index

32  
all docs

32  
docs citations

32  
times ranked

1221  
citing authors

#	ARTICLE	IF	CITATIONS
1	Associations of endothelial biomarkers, nitric oxide metabolites and endothelin, with blood pressure and coronary lesions depend on cardiovascular risk and sex to mark endothelial dysfunction on the SCORE scale. <i>Hormone Molecular Biology and Clinical Investigation</i> , 2020, 41, .	0.7	3
2	Levels of nitric oxide metabolites, adiponectin and endothelin are associated with SNPs of the adiponectin and endothelin genes. <i>Biomedical Reports</i> , 2019, 11, 154-164.	2.0	2
3	Associations of SNPs of the ADIPOQ Gene with Serum Adiponectin Levels, Unstable Angina, and Coronary Artery Disease. <i>Biomolecules</i> , 2019, 9, 537.	4.0	14
4	Increase in perfused boundary region of endothelial glycocalyx is associated with higher prevalence of ischemic heart disease and lesions of microcirculation and vascular wall. <i>Microcirculation</i> , 2018, 25, e12454.	1.8	19
5	Elevated levels of serum nitrite and nitrate, NO <sub>x</sub> , are associated with increased total and cardiovascular mortality in an 8-year follow-up study. <i>European Journal of Clinical Investigation</i> , 2018, 49, e13061.	3.4	10
6	Ratios of leptin to insulin and adiponectin to endothelin are sex-dependently associated with extent of coronary atherosclerosis. <i>Biomarkers</i> , 2017, 22, 239-245.	1.9	13
7	Differentiation of Human Induced Pluripotent or Embryonic Stem Cells Decreases the DNA Damage Repair by Homologous Recombination. <i>Stem Cell Reports</i> , 2017, 9, 1660-1674.	4.8	33
8	Serum nitrite and nitrate levels, NO <sub>x</sub> , can predict cardiovascular mortality in the elderly in a 3-year follow-up study. <i>BioFactors</i> , 2017, 43, 82-89.	5.4	19
9	Serum nitrate and nitrite are associated with the prevalence of various chronic diseases except cancer. <i>International Angiology</i> , 2017, 36, 160-166.	0.9	12
10	Epigenetic regulation of soluble guanylate cyclase (sGC) $\beta$ 1 in breast cancer cells. <i>FASEB Journal</i> , 2016, 30, 3171-3180.	0.5	11
11	Biphasic Regulation of Myosin Light Chain Phosphorylation by p21-activated Kinase Modulates Intestinal Smooth Muscle Contractility. <i>Journal of Biological Chemistry</i> , 2013, 288, 1200-1213.	3.4	19
12	NOS $\beta$ signaling and cancer therapy. <i>IUBMB Life</i> , 2012, 64, 676-683.	3.4	51
13	Curcumin induces differentiation of embryonic stem cells through possible modulation of nitric oxide-cyclic GMP pathway. <i>Protein and Cell</i> , 2012, 3, 535-544.	11.0	28
14	Nitric Oxide and Cyclic GMP Signaling Pathway as a Focus for Drug Development. <i>Current Medicinal Chemistry</i> , 2011, 18, 3299-3305.	2.4	24
15	Nitric Oxide Receptor Soluble Guanylyl Cyclase Undergoes Splicing Regulation in Differentiating Human Embryonic Cells. <i>Stem Cells and Development</i> , 2011, 20, 1287-1293.	2.1	14
16	Restoring Soluble Guanylyl Cyclase Expression and Function Blocks the Aggressive Course of Glioma. <i>Molecular Pharmacology</i> , 2011, 80, 1076-1084.	2.3	29
17	Evaluating the Potential Role of Nitric Oxide as a Mediator of Hydrostatic Edema Mediated Intestinal Contractile Dysfunction. <i>Journal of Surgical Research</i> , 2010, 163, 102-109.	1.6	2
18	Role of soluble guanylyl cyclase in cyclic GMP signaling in tumor cell proliferation. <i>Nitric Oxide - Biology and Chemistry</i> , 2010, 22, 43-50.	2.7	57

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19	Novel pyridopyrimidine derivatives as inhibitors of stable toxin a (STa) induced cGMP synthesis. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 3067-3071.	2.2	40
20	A Short History of cGMP, Guanylyl Cyclases, and cGMP-Dependent Protein Kinases. <i>Handbook of Experimental Pharmacology</i> , 2009, , 1-14.	1.8	72
21	Role of nitric oxide signaling components in differentiation of embryonic stem cells into myocardial cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 18924-18929.	7.1	96
22	Pyridopyrimidine derivatives as inhibitors of cyclic nucleotide synthesis: Application for treatment of diarrhea. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 8440-8445.	7.1	54
23	Differential expression of genes involved in cGMP-dependent nitric oxide signaling in murine embryonic stem (ES) cells and ES cell-derived cardiomyocytes. <i>Nitric Oxide - Biology and Chemistry</i> , 2006, 14, 1-11.	2.7	48
24	The Relaxant Activity of 4,7-Dimethyl-1,2,5-oxadiazolo[3,4-d]-pyridazine 1,5,6-Trioxide in the Mouse Corpus Cavernosum. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2006, 316, 753-761.	2.5	6
25	Effects of the JNK inhibitor anthra[1,9-cd]pyrazol-6(2H)-one (SP-600125) on soluble guanylyl cyclase $\beta_1$ gene regulation and cGMP synthesis. <i>American Journal of Physiology - Cell Physiology</i> , 2005, 289, C778-C784.	4.6	7
26	Regulation of soluble guanylate cyclase activity by direct interaction with heat shock protein Hsp90. <i>BMC Pharmacology</i> , 2005, 5, P44.	0.4	0
27	A constitutively activated mutant of human soluble guanylyl cyclase (sGC): Implication for the mechanism of sGC activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 9208-9213.	7.1	63
28	Vasorelaxant and antiplatelet activity of 4,7-dimethyl-1,2,5-oxadiazolo[3,4-d ]pyridazine 1,5,6-trioxide: role of soluble guanylate cyclase, nitric oxide and thiols. <i>British Journal of Pharmacology</i> , 2000, 129, 1163-1177.	5.4	42
29	Glyceraldehyde-3-phosphate activates auto-ADP-ribosylation of glyceraldehyde-3-phosphate dehydrogenase. <i>FEBS Letters</i> , 1993, 324, 33-36.	2.8	12
30	The GTP-binding regulatory proteins, Gs and G(i), are altered in erythrocyte membranes of patients with ischemic heart disease resulting from coronary atherosclerosis.. <i>Arteriosclerosis and Thrombosis: A Journal of Vascular Biology</i> , 1993, 13, 1244-1251.	3.9	7
31	Nitroprusside stimulates the cysteine-specific mono(ADP-ribosylation) of glyceraldehyde-3-phosphate dehydrogenase from human erythrocytes. <i>FEBS Letters</i> , 1992, 300, 9-12.	2.8	91