Alexei G Basnakian

List of Publications by Year
in descending order

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60	2,014	218677	243625
papers	citations	26 h-index	44 g-index

62	62	62	2396
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effects of Gamma-Tocotrienol on Intestinal Injury in a GI-Specific Acute Radiation Syndrome Model in Nonhuman Primate. International Journal of Molecular Sciences, 2022, 23, 4643.	4.1	14
2	Endonuclease G promotes autophagy by suppressing mTOR signaling and activating the DNA damage response. Nature Communications, 2021, 12, 476.	12.8	41
3	TUNEL Assay: A Powerful Tool for Kidney Injury Evaluation. International Journal of Molecular Sciences, 2021, 22, 412.	4.1	43
4	Apoptotic DNase network: Mutual induction and cooperation among apoptotic endonucleases. Journal of Cellular and Molecular Medicine, 2021, 25, 6496-6499.	3.6	1
5	Antimelanoma activities of chimeric thiazoleâ€“androstenone derivatives. Royal Society Open Science, 2021, 8, 210395.	2.4	7
6	Synthesis of 4,4â€²-(4-Formyl-1H-pyrazole-1,3-diyl)dibenzoic Acid Derivatives as Narrow Spectrum Antibiotics for the Potential Treatment of Acinetobacter Baumannii Infections. Antibiotics, 2020, 9, 650.	3.7	12
7	DNase I Induces Other Endonucleases in Kidney Tubular Epithelial Cells by Its DNA-Degrading Activity. International Journal of Molecular Sciences, 2020, 21, 8665.	4.1	7
8	Fractionated radiation suppresses Kruppel-like factor 2 pathway to a greater extent than by single exposure to the same total dose. Scientific Reports, 2020, 10, 7734.	3.3	4
9	Synthesis of Hydrazone Derivatives of 4-[4-Formyl-3-(2-oxochromen-3-yl)pyrazol-1-yl]benzoic acid as Potent Growth Inhibitors of Antibiotic-resistant Staphylococcus aureus and Acinetobacter baumannii. Molecules, 2019, 24, 2051.	3.8	22
10	Gamma-Tocotrienol Protects the Intestine from Radiation Potentially by Accelerating Mesenchymal Immune Cell Recovery. Antioxidants, 2019, 8, 57.	5.1	13
11	Light-Powered Nanoconverters Cytotoxic to Breast Cancer Cells. Journal of Physical Chemistry C, 2018, 122, 7916-7924.	3.1	7
12	Photoacoustic flow cytometry for nanomaterial research. Photoacoustics, 2017, 6, 16-25.	7.8	20
13	Mechanism of grapheneâ€induced cytotoxicity: Role of endonucleases. Journal of Applied Toxicology, 2017, 37, 1325-1332.	2.8	30
14	2-amino-1-methyl-6-phenylimidazo(4,5-b) pyridine (PhIP) induces gene expression changes in JAK/STAT and MAPK pathways related to inflammation, diabetes and cancer. Nutrition and Metabolism, 2016, 13, 54.	3.0	17
15	Novel High-Throughput Deoxyribonuclease 1 Assay. Journal of Biomolecular Screening, 2015, 20, 202-211.	2.6	7
16	Novel Cytoprotective Inhibitors for Apoptotic Endonuclease G. DNA and Cell Biology, 2015, 34, 92-100.	1.9	15
17	The beneficial effects of AMP kinase activation against oxidative stress are associated with prevention of PPARÎ±-cyclophilin D interaction in cardiomyocytes. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 308, H749-H758.	3.2	72
18	Recent Advances in Understanding the Pathogenesis of Atherosclerosis in CKD Patients. , 2015, 25, 205-208.		12

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19	Regulation of Apoptotic Endonucleases by EndoG. DNA and Cell Biology, 2015, 34, 316-326.	1.9	52
20	Interaction of carbamylated LDL with LOX-1 in the induction of endothelial dysfunction and atherosclerosis: Figure 1. European Heart Journal, 2014, 35, 2996-2997.	2.2	13
21	Circulating tumor cell identification by functionalized silver-gold nanorods with multicolor, super-enhanced SERS and photothermal resonances. Scientific Reports, 2014, 4, 4752.	3.3	172
22	Protective effect of zinc-N-acetylcysteine on the rat kidney during cold storage. American Journal of Physiology - Renal Physiology, 2013, 305, F1022-F1030.	2.7	11
23	Carbamylated-Oxidized LDL: Proatherosclerotic Effects on Endothelial Cells and Macrophages. Journal of Atherosclerosis and Thrombosis, 2013, 20, 878-892.	2.0	29
24	DNase activity in kidney cell pyknosis induced by serum deprivation. FASEB Journal, 2013, 27, 889.12.	0.5	1
25	Development of cellâ€based highâ€throughput screening assay for DNase I inhibitors or activators. FASEB Journal, 2013, 27, 663.15.	0.5	0
26	Alternativelyâ€spliced DNase I acts as dominantâ€negative inhibiting cisplatin toxicity to kidney cells. FASEB Journal, 2013, 27, 889.4.	0.5	0
27	In Vivo Magnetic Enrichment, Photoacoustic Diagnosis, and Photothermal Purging of Infected Blood Using Multifunctional Gold and Magnetic Nanoparticles. PLoS ONE, 2012, 7, e45557.	2.5	78
28	Carbamylated Low-Density Lipoprotein: Nontraditional Risk Factor for Cardiovascular Events in Patients With Chronic Kidney Disease. , 2012, 22, 134-138.		30
29	Downregulation of DNase I expression by EndoG in kidney tubular epithelial cells. FASEB Journal, 2012, 26, lb568.	0.5	0
30	Sirtuin 1 enzyme activity and autophagy proteins are increased in the kidney during murine sepsis. FASEB Journal, 2012, 26, 1051.15.	0.5	0
31	Induction of kidney endonucleases by DNase I: evidence of endonuclease network. FASEB Journal, 2012, 26, 852.7.	0.5	0
32	Endonuclease G mediates endothelial cell death induced by carbamylated LDL. American Journal of Physiology - Heart and Circulatory Physiology, 2011, 300, H1997-H2004.	3.2	29
33	Carbamylated LDL. Advances in Clinical Chemistry, 2010, 51, 25-52.	3.7	29
34	Carbamylated LDL: the missing link between uremia and atherosclerosis. FASEB Journal, 2010, 24, 116.5.	0.5	0
35	ICAMâ€1 is Key Molecule in Carbamylated LDLâ€induced Monocyte Adhesion. FASEB Journal, 2010, 24, 589.17.	0.5	0
36	Quantitative cytoplasmic TUNEL: the method to measure apoptosis and necrosis coexisting in a single liver or kidney cell. FASEB Journal, 2010, 24, 38.10.	0.5	0

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37	Expression of sulfotransferase isoform 1A1 (SULT1A1) in breast cancer cells significantly increases 4-hydroxytamoxifen-induced apoptosis. International Journal of Molecular Epidemiology and Genetics, 2010, 1, 92-103.	0.4	25
38	Uptake of Foreign Nucleic Acids in Kidney Tubular Epithelial Cells Deficient in Proapoptotic Endonucleases. DNA and Cell Biology, 2009, 28, 435-442.	1.9	17
39	Scavenger Receptors of Endothelial Cells Mediate the Uptake and Cellular Proatherogenic Effects of Carbamylated LDL. Arteriosclerosis, Thrombosis, and Vascular Biology, 2009, 29, 1622-1630.	2.4	76
40	Deoxyribonuclease I is Essential for DNA Fragmentation Induced by Gamma Radiation in Mice. Radiation Research, 2009, 172, 481-492.	1.5	25
41	Radioprotection by inactivation of deoxyribonuclease I. FASEB Journal, 2009, 23, 618.1.	0.5	0
42	Carbamylated lowâ€density lipoprotein induces proliferation and increases adhesion molecule expression of human coronary artery smooth muscle cells. Nephrology, 2008, 13, 480-486.	1.6	55
43	Sensitivity of human prostate cancer cells to chemotherapeutic drugs depends on EndoG expression regulated by promoter methylation. Cancer Letters, 2008, 270, 132-143.	7.2	28
44	Netrin-1: a potential universal biomarker for acute kidney injury. American Journal of Physiology - Renal Physiology, 2008, 294, F729-F730.	2.7	12
45	Apoptotic/Recombinogenic Endonuclease G is Regulated by Promoter Methylation and Histone Acetylation.. FASEB Journal, 2008, 22, 987.2.	0.5	0
46	Carbamylated Low-Density Lipoprotein Induces Monocyte Adhesion to Endothelial Cells Through Intercellular Adhesion Molecule-1 and Vascular Cell Adhesion Molecule-1. Arteriosclerosis, Thrombosis, and Vascular Biology, 2007, 27, 826-832.	2.4	80
47	Induction of Renal Endonuclease G by Cisplatin Is Reduced in DNase I-Deficient Mice. Journal of the American Society of Nephrology: JASN, 2007, 18, 2544-2553.	6.1	48
48	Modified LDLs induce proliferation-mediated death of human vascular endothelial cells through MAPK pathway. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 292, H1836-H1846.	3.2	41
49	Endonuclease G promotes cell death of non-invasive human breast cancer cells. Experimental Cell Research, 2006, 312, 4139-4149.	2.6	49
50	Deoxyribonuclease 1 aggravates acetaminophen-induced liver necrosis in male CD-1 mice. Hepatology, 2006, 43, 297-305.	7.3	60
51	Carbamylated low-density lipoprotein induces death ofendothelial cells: A link to atherosclerosis in patients with kidney disease. Kidney International, 2005, 68, 173-178.	5.2	137
52	Ceramide synthase is essential for endonuclease-mediated death of renal tubular epithelial cells induced by hypoxia-reoxygenation. American Journal of Physiology - Renal Physiology, 2005, 288, F308-F314.	2.7	56
53	Cisplatin Nephrotoxicity Is Mediated by Deoxyribonuclease I. Journal of the American Society of Nephrology: JASN, 2005, 16, 697-702.	6.1	111
54	Quantification of Carbamylated LDL in Human Sera by a New Sandwich ELISA. Clinical Chemistry, 2005, 51, 719-728.	3.2	61

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55	Apoptotic pathways in ischemic acute renal failure. Kidney International, 2004, 66, 500-506.	5.2	132
56	Apoptotic Pathways of Oxidative Damage to Renal Tubular Epithelial Cells. Antioxidants and Redox Signaling, 2002, 4, 915-924.	5.4	65
57	Identification and expression of deoxyribonuclease (DNase) I alternative transcripts in the rat. Gene, 2002, 289, 87-96.	2.2	14
58	DNase I-Like Endonuclease in Rat Kidney Cortex That Is Activated during Ischemia/Reperfusion Injury. Journal of the American Society of Nephrology: JASN, 2002, 13, 1000-1007.	6.1	47
59	Role of Ceramide Synthase in Oxidant Injury to Renal Tubular Epithelial Cells. Journal of the American Society of Nephrology: JASN, 2001, 12, 2384-2391.	6.1	31
60	Quantification of 3â€²OH DNA Breaks by Random Oligonucleotide-Primed Synthesis (ROPS) Assay. DNA and Cell Biology, 1996, 15, 255-262.	1.9	52