Shiyong Wu

List of Publications by Year
in descending order

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87 papers	3,180 citations	201385 27 h-index	161609 54 g-index
88 all docs	88 docs citations	88 times ranked	5547 citing authors

#	Article	IF	Citations
1	A Small-Molecule Inhibitor of Glucose Transporter 1 Downregulates Glycolysis, Induces Cell-Cycle Arrest, and Inhibits Cancer Cell Growth In Vitro and In Vivo. Molecular Cancer Therapeutics, 2012, 11, 1672-1682.	1.9	439
2	Reactive oxygen species in redox cancer therapy. Cancer Letters, 2015, 367, 18-25.	3.2	312
3	Lipid raft: A floating island of death or survival. Toxicology and Applied Pharmacology, 2012, 259, 311-319.	1.3	166
4	MicroRNAs, cancer and cancer stem cells. Cancer Letters, 2011, 300, 10-19.	3.2	161
5	The Warburg effect: Evolving interpretations of an established concept. Free Radical Biology and Medicine, 2015, 79, 253-263.	1.3	161
6	A Model for the Double-stranded RNA (dsRNA)-dependent Dimerization and Activation of the dsRNA-activated Protein Kinase PKR. Journal of Biological Chemistry, 1997, 272, 1291-1296.	1.6	149
7	Nitric oxide in cancer metastasis. Cancer Letters, 2014, 353, 1-7.	3.2	146
8	Extracellular ATP is internalized by macropinocytosis and induces intracellular ATP increase and drug resistance in cancer cells. Cancer Letters, 2014, 351, 242-251.	3.2	118
9	Ultraviolet Light Activates NFÎºB through Translational Inhibition of IÎºBÎ± Synthesis. Journal of Biological Chemistry, 2004, 279, 34898-34902.	1.6	114
10	Ultraviolet Light Inhibits Translation through Activation of the Unfolded Protein Response Kinase PERK in the Lumen of the Endoplasmic Reticulum. Journal of Biological Chemistry, 2002, 277, 18077-18083.	1.6	101
11	The role of coldâ€inducible <scp>RNA</scp> binding protein in cell stress response. International Journal of Cancer, 2017, 141, 2164-2173.	2.3	91
12	Double-stranded (ds) RNA Binding and Not Dimerization Correlates with the Activation of the dsRNA-dependent Protein Kinase (PKR). Journal of Biological Chemistry, 1996, 271, 1756-1763.	1.6	66
13	Molecular cloning and characterization of a rabbit eIF2C protein. Gene, 1998, 211, 187-194.	1.0	65
14	Regulation of G1 Arrest and Apoptosis in Hypoxia by PERK and GCN2-Mediated eIF2Î± Phosphorylation. Neoplasia, 2010, 12, 61-IN6.	2.3	53
15	Gamma-irradiation induces matrix metalloproteinase II expression in a p53-dependent manner. , 2000, 27, 252-258.		52
16	Ultraviolet B Lightâ€induced Nitric Oxide/Peroxynitrite Imbalance in Keratinocytesâ€”Implications for Apoptosis and Necrosis. Photochemistry and Photobiology, 2010, 86, 389-396.	1.3	46
17	Identification and Requirement of Three Ribosome Binding Domains in dsRNA-Dependent Protein Kinase (PKR). Biochemistry, 1998, 37, 13816-13826.	1.2	43
18	Effect of alpha 2,6 sialylation on integrin-mediated adhesion of breast cancer cells to fibronectin and collagen IV. Life Sciences, 2016, 149, 138-145.	2.0	43

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19	The Role of Nitric-oxide Synthase in the Regulation of UVB Light-induced Phosphorylation of the Î± Subunit of Eukaryotic Initiation Factor 2. Journal of Biological Chemistry, 2009, 284, 24281-24288.	1.6	41
20	Characteristics of the eukaryotic initiation factor 2 associated 67-kDa polypeptide. Biochemistry, 1993, 32, 5151-5159.	1.2	38
21	A Eukaryotic Translation Initiation Factor 2-Associated 67 kDa Glycoprotein Partially Reverses Protein Synthesis Inhibition by Activated Double-Stranded RNA-Dependent Protein Kinase in Intact Cells. Biochemistry, 1996, 35, 8275-8280.	1.2	36
22	Targeting growth hormone receptor in human melanoma cells attenuates tumor progression and epithelial mesenchymal transition via suppression of multiple oncogenic pathways. Oncotarget, 2017, 8, 21579-21598.	0.8	36
23	Ultraviolet Radiation-induced Apoptosis Mediated by Daxx. Neoplasia, 2002, 4, 486-492.	2.3	35
24	Therapeutic microRNAs targeting the NF-kappa B signaling circuits of cancers. Advanced Drug Delivery Reviews, 2015, 81, 1-15.	6.6	34
25	Cell line dependent involvement of ceramide in ultraviolet light-induced apoptosis. , 2001, 219, 21-27.		31
26	Reactive oxygen species formation and bystander effects in gradient irradiation on human breast cancer cells. Oncotarget, 0, 7, 41622-41636.	0.8	30
27	Diet-induced obesity links to ER positive breast cancer progression via LPA/PKD-1-CD36 signaling-mediated microvascular remodeling. Oncotarget, 2017, 8, 22550-22562.	0.8	29
28	Lipid Rafts Mediate Ultraviolet Lightâ€“induced Fas Aggregation in M624 Melanoma Cells. Photochemistry and Photobiology, 2006, 82, 787.	1.3	28
29	Nitric oxide: A regulator of eukaryotic initiation factor 2 kinases. Free Radical Biology and Medicine, 2011, 50, 1717-1725.	1.3	28
30	Role of Bmi-1 in Regulation of Ionizing Irradiation-Induced Epithelial-Mesenchymal Transition and Migration of Breast Cancer Cells. PLoS ONE, 2015, 10, e0118799.	1.1	28
31	Differential roles of nitric oxide synthases in regulation of ultraviolet B light-induced apoptosis. Nitric Oxide - Biology and Chemistry, 2010, 23, 199-205.	1.2	27
32	p67 Transcription Regulates Translation in Serum-starved and Mitogen-activated KRC-7 Cells. Journal of Biological Chemistry, 1997, 272, 12699-12704.	1.6	22
33	Growth Hormone Receptor Knockdown Sensitizes Human Melanoma Cells to Chemotherapy by Attenuating Expression of ABC Drug Efflux Pumps. Hormones and Cancer, 2017, 8, 143-156.	4.9	22
34	The mechanism of CIRP in inhibition of keratinocytes growth arrest and apoptosis following low dose UVB radiation. Molecular Carcinogenesis, 2017, 56, 1554-1569.	1.3	20
35	Regulation of Ionizing Radiation-Induced Adhesion of Breast Cancer Cells to Fibronectin by Alpha5beta1 Integrin. Radiation Research, 2014, 181, 650-658.	0.7	19
36	The roles of translation initiation regulation in ultraviolet light-induced apoptosis. Molecular and Cellular Biochemistry, 2006, 293, 173-181.	1.4	18

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37	The Role of Cholesterol in UV Light Bâ€induced Apoptosis^{â€}. Photochemistry and Photobiology, 2012, 88, 1191-1197.	1.3	18
38	Effects of nitric oxide-releasing nonsteroidal anti-inflammatory drugs (NONO-NSAIDs) on melanoma cell adhesion. Toxicology and Applied Pharmacology, 2012, 264, 161-166.	1.3	17
39	microRNA and NF-kappa B. Advances in Experimental Medicine and Biology, 2015, 887, 157-170.	0.8	17
40	The Mechanisms of Carnosol in Chemoprevention of Ultraviolet B-Light-Induced Non-Melanoma Skin Cancer Formation. Scientific Reports, 2018, 8, 3574.	1.6	17
41	trans-Autophosphorylation by the Isolated Kinase Domain Is Not Sufficient for Dimerization or Activation of the dsRNA-Activated Protein Kinase PKRâ€. Biochemistry, 2004, 43, 11027-11034.	1.2	15
42	The Role of Constitutive Nitric-oxide Synthase in Ultraviolet B Light-induced Nuclear Factor ÎºB Activity. Journal of Biological Chemistry, 2014, 289, 26658-26668.	1.6	15
43	Involvement of Fas receptor and not tumor necrosis factor-? receptor in ultraviolet-induced activation of acid sphingomyelinase. Molecular Carcinogenesis, 2001, 30, 47-55.	1.3	14
44	The Role of ROS in Ionizing Radiation-Induced VLA-4 Mediated Adhesion of RAW264.7 Cells to VCAM-1 Under Flow Conditions. Radiation Research, 2013, 179, 62-68.	0.7	14
45	Viral Infection. Archives of Biochemistry and Biophysics, 1997, 342, 373-382.	1.4	13
46	Mechanism of UVâ€induced ÍºBÎ±â€independent Activation of NFâ€ÎºB. Photochemistry and Photobiology, 2008, 84, 1564-1568.	1.3	13
47	Nitric oxide synthase activation and oxidative stress, but not intracellular zinc dyshomeostasis, regulate ultraviolet B light-induced apoptosis. Life Sciences, 2010, 86, 448-454.	2.0	12
48	Lipid rafts association and antiâ€apoptotic function of prohibitin in ultraviolet <scp>B</scp> lightâ€irradiated <scp>H</scp>a<scp>C</scp>a<scp>T</scp> keratinocytes. Experimental Dermatology, 2012, 21, 640-642.	1.4	12
49	Probing Protein 3D Structures and Conformational Changes Using Electrochemistry-Assisted Isotope Labeling Cross-Linking Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2016, 27, 864-875.	1.2	12
50	Differential Signaling Circuits in Regulation of Ultraviolet C Lightâ€induced Earlyâ€and Lateâ€phase Activation of NFâ€ÎºB. Photochemistry and Photobiology, 2010, 86, 995-999.	1.3	11
51	UVBâ€irradiation regulates VLAâ€4â€mediated melanoma cell adhesion to endothelial VCAMâ€1 under flow conditions. Molecular Carcinogenesis, 2011, 50, 58-65.	1.3	11
52	The Involvement of Splicing Factor hn<scp>RNP</scp> A1 in <scp>UVB</scp>â€induced Alternative Splicing of hdm2. Photochemistry and Photobiology, 2016, 92, 318-324.	1.3	10
53	Old target new approach: an alternate NF-ÎºB activation pathway via translation inhibition. Molecular and Cellular Biochemistry, 2009, 328, 9-16.	1.4	9
54	Effects of N-acetyl-l-cysteine on adhesive strength between breast cancer cell and extracellular matrix proteins after ionizing radiation. Life Sciences, 2013, 93, 798-803.	2.0	9

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55	The roles of nitric oxide synthase and eIF2alpha kinases in regulation of cell cycle upon UVB-irradiation. Cell Cycle, 2010, 9, 38-42.	1.3	8
56	Mechanism for dynamic regulation of iNOS expression after UVBâ€irradiation. Molecular Carcinogenesis, 2013, 52, 627-633.	1.3	8
57	The role of translational regulation in ultraviolet C light-induced cyclooxygenase-2 expression. Life Sciences, 2009, 85, 70-76.	2.0	7
58	The structure-function relationships of insulin-like growth factor 1 Ec in C2C12 cells. Cell Adhesion and Migration, 2018, 12, 47-55.	1.1	7
59	The Mechanism of <scp>CIRP</scp> in Regulation of <scp>STAT</scp>3 Phosphorylation and Bagâ€1/S Expression Upon <scp>UVB</scp> Radiation. Photochemistry and Photobiology, 2018, 94, 1234-1239.	1.3	7
60	Effects of freezing and protein cross-linker on isolating membrane raftâ€“associated proteins. BioTechniques, 2010, 49, 837-838.	0.8	6
61	Mathermycin, an anti-cancer molecule that targets cell surface phospholipids. Toxicology and Applied Pharmacology, 2021, 413, 115410.	1.3	6
62	Interleukin-6 expression in response to innate immune regulatory factor stimulation. Biomedicine and Pharmacotherapy, 2011, 65, 90-94.	2.5	5
63	Regulation of <scp>MSK</scp>1â€Mediated <scp>NF</scp>â€ºB Activation Upon <scp>UVB</scp> Irradiation. Photochemistry and Photobiology, 2014, 90, 155-161.	1.3	5
64	The roles of Akt and NOSs in regulation of VLA-4-mediated melanoma cell adhesion to endothelial VCAM-1 after UVB-irradiation. Archives of Biochemistry and Biophysics, 2011, 508, 192-197.	1.4	4
65	ROS and p53 in Regulation of UVBâ€induced HDM2 Alternative Splicing. Photochemistry and Photobiology, 2015, 91, 221-224.	1.3	4
66	The role of lipid raft translocation of prohibitin in regulation of Akt and Rafâ€protected apoptosis of HaCaT cells upon ultraviolet B irradiation. Molecular Carcinogenesis, 2017, 56, 1789-1797.	1.3	4
67	Retrospective chart review of skin cancer presence in the wide excisions. World Journal of Clinical Cases, 2014, 2, 52.	0.3	4
68	UVB-induced eIF2Î± phosphorylation in keratinocytes depends on decreased ATF4, GADD34 and CReP expression levels. Life Sciences, 2021, 286, 120044.	2.0	4
69	An innate immune regulatory factor (IIRF) prevents tumorogenesis in a murine melanoma challenge model. Drug Development Research, 2005, 64, 213-219.	1.4	3
70	Characterization of UVB and UVAâ€340 Lamps and Determination of Their Effects on ER Stress and DNA Damage. Photochemistry and Photobiology, 2022, 98, 1140-1148.	1.3	3
71	Characterization of Caerulomycin A as a dual-targeting anticancer agent. European Journal of Pharmacology, 2022, 922, 174914.	1.7	3
72	Role of constitutive nitric oxide synthases in the dynamic regulation of the autophagy response of keratinocytes upon UVB exposure. Photochemical and Photobiological Sciences, 2020, 19, 1559-1568.	1.6	2

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73	New life for an "old" drink. Cell Cycle, 2009, 8, 1979-1983.	1.3	1
74	The Effect of Endothelial Cells on <scp>UVB</scp>â€induced <scp>DNA</scp> Damage and Transformation of Keratinocytes In 3D Polycaprolactone Scaffold Coâ€culture System. Photochemistry and Photobiology, 2019, 95, 338-344.	1.3	1
75	CIRP Sensitizes Cancer Cell Responses to Ionizing Radiation. Radiation Research, 2020, 195, 93-100.	0.7	1
76	The Roles of Early Activation of cNOS in UVB-Induced NF-ÎºB Activation and Apoptosis. Free Radical Biology and Medicine, 2011, 51, S165.	1.3	0
77	Targeting expression or function of Plk1 in CTCL, that is a question. Cell Cycle, 2011, 10, 1526-1526.	1.3	0
78	To be or not to be Photopigmented, that is the Question. Photochemistry and Photobiology, 2018, 94, 407-408.	1.3	0
79	The Differential Role of Nitric Oxide Synthases in Ultraviolet Light Bâ€induced Apoptosis. FASEB Journal, 2009, 23, 890.5.	0.2	0
80	The role of nitric oxide synthase in regulation of ultraviolet lightâ€induced phosphorylation of the alphaâ€subunit of eukaryotic initiation factor 2. FASEB Journal, 2009, 23, 890.6.	0.2	0
81	The role of translational regulation in ultraviolet lightâ€induced cyclooxygenaseâ€2 expression. FASEB Journal, 2009, 23, 511.2.	0.2	0
82	Localization and function of a eukaryotic-initiation-factor-2-associated 67-kDa glycoprotein. World Journal of Biological Chemistry, 2010, 1, 313.	1.7	0
83	The differential effects of carnosol in regulation of HaCaT cell apoptosis upon high or low dose of UVB irradiation. FASEB Journal, 2013, 27, 831.19.	0.2	0
84	The involvement of prohibition in Akt and Raf coâ€regulated apoptosis of HaCaT keratinocytes upon UVB irradiation. FASEB Journal, 2013, 27, 831.18.	0.2	0
85	Effect of Lâ€NAC on IRâ€induced cell adhesion of MDAâ€MBâ€231 cells onto fibronectin and surface expression of activated b1 integrin. FASEB Journal, 2013, 27, 611.5.	0.2	0
86	Lipid Raft. , 2017, , 2510-2513.		0
87	Antioxidants Protect Diaphragm Function subjected to Ionizing Irradiation. FASEB Journal, 2018, 32, 538.2.	0.2	0