Jun-Ying Miao

List of Publications by Year
in descending order

233 papers	11,348 citations	38742 50 h-index	37204 96 g-index
235 all docs	235 docs citations	235 times ranked	17032 citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	9.1	3,122
2	Synthesis and structureâ€“activity relationships of novel 1-arylmethyl-3-aryl-1H-pyrazole-5-carbohydrazide hydrazone derivatives as potential agents against A549 lung cancer cells. European Journal of Medicinal Chemistry, 2008, 43, 2347-2353.	5.5	178
3	A mitochondria-targeted fluorescent probe for ratiometric detection of endogenous sulfur dioxide derivatives in cancer cells. Chemical Communications, 2016, 52, 2760-2763.	4.1	168
4	A new ratiometric fluorescent probe for rapid, sensitive and selective detection of endogenous hydrogen sulfide in mitochondria. Chemical Communications, 2016, 52, 3131-3134.	4.1	159
5	Chloroquine inhibits cell growth and induces cell death in A549 lung cancer cells. Bioorganic and Medicinal Chemistry, 2006, 14, 3218-3222.	3.0	153
6	An activator of mTOR inhibits oxLDL-induced autophagy and apoptosis in vascular endothelial cells and restricts atherosclerosis in apolipoprotein E-/- mice. Scientific Reports, 2014, 4, 5519.	3.3	147
7	Synthesis of novel substituted pyrazole-5-carbohydrazide hydrazone derivatives and discovery of a potent apoptosis inducer in A549 lung cancer cells. Bioorganic and Medicinal Chemistry, 2009, 17, 1957-1962.	3.0	141
8	Identification of a novel MTOR activator and discovery of a competing endogenous RNA regulating autophagy in vascular endothelial cells. Autophagy, 2014, 10, 957-971.	9.1	139
9	Synthesis and structureâ€“activity relationships of novel 1-arylmethyl-3-aryl-1H-pyrazole-5-carbohydrazide derivatives as potential agents against A549 lung cancer cells. Bioorganic and Medicinal Chemistry, 2007, 15, 6893-6899.	3.0	138
10	A Ratiometric Fluorescent Probe for Sensing HOCl Based on Coumarin-rhodamine Dyad. Chemical Communications, 2014, 50, 14241-4.	4.1	136
11	A new microRNA signal pathway regulated by long noncoding RNA TGFB2-OT1 in autophagy and inflammation of vascular endothelial cells. Autophagy, 2015, 11, 2172-2183.	9.1	132
12	A simple and effective coumarin-based fluorescent probe for cysteine. Biosensors and Bioelectronics, 2014, 59, 35-39.	10.1	122
13	Sophorolipid produced from the new yeast strain Wickerhamiella domercqiae induces apoptosis in H7402 human liver cancer cells. Applied Microbiology and Biotechnology, 2006, 72, 52-59.	3.6	119
14	A ratiometric lysosomal pH probe based on the naphthalimideâ€“rhodamine system. Journal of Materials Chemistry B, 2015, 3, 3260-3266.	5.8	118
15	A rhodamine B-based lysosomal pH probe. Journal of Materials Chemistry B, 2015, 3, 919-925.	5.8	117
16	Design, synthesis, and preliminary biological evaluation of novel ethyl 1-(2â€²-hydroxy-3â€²-aroxypropyl)-3-aryl-1H-pyrazole-5-carboxylate. Bioorganic and Medicinal Chemistry Letters, 2006, 16, 6342-6347.	2.2	108
17	A novel copper complex of salicylaldehyde pyrazole hydrazone induces apoptosis through up-regulating integrin Î²4 in H322 lung carcinoma cells. European Journal of Medicinal Chemistry, 2010, 45, 1438-1446.	5.5	108
18	Long noncoding RNA CA7-4 promotes autophagy and apoptosis via sponging MIR877-3P and MIR5680 in high glucose-induced vascular endothelial cells. Autophagy, 2020, 16, 70-85.	9.1	101

#	Article	IF	Citations
19	A new rhodamine B-based lysosomal pH fluorescent indicator. Analytica Chimica Acta, 2013, 788, 177-182.	5.4	97
20	Promotion of autophagy and inhibition of apoptosis by low concentrations of cadmium in vascular endothelial cells. Toxicology in Vitro, 2009, 23, 105-110.	2.4	91
21	A colorimetric, ratiometric and water-soluble fluorescent probe for simultaneously sensing glutathione and cysteine/homocysteine. Analytica Chimica Acta, 2015, 900, 103-110.	5.4	89
22	Highly selective and sensitive pH-responsive fluorescent probe in living Hela and HUVEC cells. Sensors and Actuators B: Chemical, 2013, 177, 956-963.	7.8	87
23	Fluorescence detection of endogenous bisulfite in liver cancer cells using an effective ESIPT enhanced FRET platform. Chemical Communications, 2017, 53, 577-580.	4.1	84
24	Synthesis of novel oxime-containing pyrazole derivatives and discovery of regulators for apoptosis and autophagy in A549 lung cancer cells. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 4766-4770.	2.2	83
25	A mitochondria-targeted ratiometric fluorescent probe for hypochlorite and its applications in bioimaging. Journal of Materials Chemistry B, 2017, 5, 289-295.	5.8	82
26	An effective colorimetric and ratiometric fluorescent probe for bisulfite in aqueous solution. Analytica Chimica Acta, 2015, 888, 138-145.	5.4	81
27	A new fluorescent pH probe for extremely acidic conditions. Analytica Chimica Acta, 2014, 820, 146-151.	5.4	79
28	A ratiometric fluorescence probe based on a novel FRET platform for imaging endogenous HOCl in the living cells. Sensors and Actuators B: Chemical, 2016, 229, 408-413.	7.8	77
29	A new fluorescent and colorimetric chemosensor for Cu(II) based on rhodamine hydrazone and ferrocene unit. Sensors and Actuators B: Chemical, 2013, 181, 215-220.	7.8	74
30	In VitroAssessment of the Differentiation Potential of Bone Marrow-Derived Mesenchymal Stem Cells on Genipin-Chitosan Conjugation Scaffold with Surface Hydroxyapatite Nanostructure for Bone Tissue Engineering. Tissue Engineering - Part A, 2011, 17, 1341-1349.	3.1	73
31	A mitochondria-targeted fluorescence probe for ratiometric detection of endogenous hypochlorite in the living cells. Analytica Chimica Acta, 2017, 950, 178-183.	5.4	68
32	A ratiometric lysosomal pH probe based on the coumarinâ€“rhodamine FRET system. RSC Advances, 2015, 5, 49115-49121.	3.6	64
33	Synthesis, crystal structure and living cell imaging of a Cu2+-specific molecular probe. Organic and Biomolecular Chemistry, 2011, 9, 4802.	2.8	63
34	A near-infrared ratiometric fluorescent probe for rapid and selective detection of hypochlorous acid in aqueous solution and living cells. Sensors and Actuators B: Chemical, 2018, 255, 666-671.	7.8	63
35	A ratiometric fluorescent probe for cysteine and its application in living cells. Sensors and Actuators B: Chemical, 2015, 207, 872-877.	7.8	62
36	Novel pyrazoline-based fluorescent probe for detecting glutathione and its application in cells. Biosensors and Bioelectronics, 2014, 55, 386-390.	10.1	61

#	Article	IF	Citations
37	A Ratiometric Fluorescent Probe Based on a Throughâ€Bond Energy Transfer (TBET) System for Imaging HOCl in Living Cells. Chemistry - A European Journal, 2015, 21, 19058-19063.	3.3	61
38	A simple but effective near-infrared ratiometric fluorescent probe for hydrazine and its application in bioimaging. Sensors and Actuators B: Chemical, 2016, 232, 369-374.	7.8	61
39	Synthesis, structure characterization and preliminary biological evaluation of novel 5-alkyl-2-ferrocenyl-6,7-dihydropyrazolo[1,5-a]pyrazin-4(5H)-one derivatives. Journal of Organometallic Chemistry, 2008, 693, 1367-1374.	1.8	58
40	Synthesis and discovery of pyrazole-5-carbohydrazide N-glycosides as inducer of autophagy in A549 lung cancer cells. Bioorganic and Medicinal Chemistry, 2009, 17, 7085-7092.	3.0	58
41	Suppressing phosphatidylcholine-specific phospholipase C and elevating ROS level, NADPH oxidase activity and Rb level induced neuronal differentiation in mesenchymal stem cells. Journal of Cellular Biochemistry, 2007, 100, 1548-1557.	2.6	57
42	Mitochondria-targeted ratiometric fluorescent probe based on FRET for bisulfite. Sensors and Actuators B: Chemical, 2017, 241, 239-244.	7.8	57
43	A new probe for fluorescent recognition of Hg2+ in living cells and colorimetric detection of Cu2+ in aqueous solution. Sensors and Actuators B: Chemical, 2013, 182, 273-279.	7.8	56
44	A new fluorescent pH probe for imaging lysosomes in living cells. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 535-538.	2.2	56
45	An effective colorimetric and ratiometric fluorescent probe based FRET with a large Stokes shift for bisulfite. Scientific Reports, 2016, 6, 25315.	3.3	56
46	A lysosome-targeted ratiometric fluorescent probe for detection of hypochlorous acid in living cells. Sensors and Actuators B: Chemical, 2017, 247, 736-741.	7.8	56
47	Design, synthesis, and preliminary biological evaluation of 2,3-dihydro-3-hydroxymethyl-1,4-benzoxazine derivatives. Bioorganic and Medicinal Chemistry Letters, 2006, 16, 2862-2867.	2.2	55
48	HMBOX1 interacts with MT2A to regulate autophagy and apoptosis in vascular endothelial cells. Scientific Reports, 2015, 5, 15121.	3.3	55
49	A ratiometric fluorescent probe based on boron dipyrromethene and rhodamine FÃ¶rster resonance energy transfer platform for hypochlorous acid and its application in living cells. Analytica Chimica Acta, 2016, 921, 77-83.	5.4	54
50	Distinct patterns of autophagy evoked by two benzoxazine derivatives in vascular endothelial cells. Autophagy, 2010, 6, 1115-1124.	9.1	52
51	A new fluorescent and colorimetric probe for Cu2+ in live cells. Analyst, The, 2012, 137, 3466.	3.5	52
52	A highly sensitive fluorescent probe based on simple pyrazoline for Zn2+ in living neuron cells. Organic and Biomolecular Chemistry, 2012, 10, 8640.	2.8	49
53	A novel ratiometric pH probe for extreme acidity based on FRET and PET. RSC Advances, 2015, 5, 13341-13346.	3.6	48
54	Through-bond energy transfer-based ratiometric fluorescent probe for the imaging of HOCl in living cells. Sensors and Actuators B: Chemical, 2017, 244, 907-913.	7.8	48

#	Article	IF	Citations
55	A novel pyrazoline-based selective fluorescent probe for detecting reduced glutathione and its application in living cells and serum. Analyst, The, 2013, 138, 7169.	3.5	47
56	Autophagy, Hyperlipidemia, and Atherosclerosis. Advances in Experimental Medicine and Biology, 2020, 1207, 237-264.	1.6	47
57	Synthesis and preliminary biological evaluation of novel pyrazolo[1,5-a]pyrazin-4(5H)-one derivatives as potential agents against A549 lung cancer cells. Bioorganic and Medicinal Chemistry, 2008, 16, 10165-10171.	3.0	46
58	Construction of A Fluorescent Nanostructured Chitosan-Hydroxyapatite Scaffold by Nanocrystallon Induced Biomimetic Mineralization and Its Cell Biocompatibility. ACS Applied Materials & Interfaces, 2011, 3, 1692-1701.	8.0	46
59	A NBD-based simple but effective fluorescent pH probe for imaging of lysosomes in living cells. Analytica Chimica Acta, 2016, 920, 86-93.	5.4	46
60	Upregulating of Fas, integrin Î²4 and P53 and depressing of PC-PLC activity and ROS level in VEC apoptosis by safrole oxide. FEBS Letters, 2005, 579, 5809-5813.	2.8	45
61	A rhodamine chromene-based turn-on fluorescence probe for selectively imaging Cu2+ in living cell. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 95, 658-663.	3.9	45
62	Synthesis of novel pyrazole carboxamide derivatives and discovery of modulators for apoptosis or autophagy in A549 lung cancer cells. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 5325-5328.	2.2	44
63	A ratiometric fluorescent probe for fast detection of hydrogen sulfide and recognition of biological thiols. Sensors and Actuators B: Chemical, 2016, 234, 231-238.	7.8	42
64	The roles of integrin Î²₄ in Vascular Endothelial Cells. Journal of Cellular Physiology, 2012, 227, 474-478.	4.1	41
65	A quick response fluorescent probe based on coumarin and quinone for glutathione and its application in living cells. Analytica Chimica Acta, 2016, 922, 64-70.	5.4	41
66	A rational design of ratiometric fluorescent probes based on new ICT/FRET platform and imaging of endogenous sulfite in living cells. Sensors and Actuators B: Chemical, 2017, 253, 19-26.	7.8	41
67	A new lipid droplets-targeted fluorescence probe for specific detection of SO2 derivatives in living cells. Sensors and Actuators B: Chemical, 2018, 261, 196-202.	7.8	41
68	A far-red ratiometric fluorescent probe for SO 2 derivatives based on the ESIPT enhanced FRET platform with improved performance. Dyes and Pigments, 2018, 151, 95-101.	3.7	41
69	A novel lipid droplets-targeting ratiometric fluorescence probe for hypochlorous acid in living cells. Talanta, 2019, 194, 308-313.	5.5	40
70	Synthesis, single-crystal characterization and preliminary biological evaluation of novel ferrocenyl pyrazolo[1,5-a]pyrazin-4(5H)-one derivatives. European Journal of Medicinal Chemistry, 2010, 45, 210-218.	5.5	39
71	A ratiometric fluorescent probe with DNBS group for biothiols in aqueous solution. Sensors and Actuators B: Chemical, 2016, 223, 274-279.	7.8	39
72	A new water-soluble and mitochondria-targeted fluorescence probe for ratiometric detection of hypochlorous acid in living cells. Sensors and Actuators B: Chemical, 2018, 276, 8-12.	7.8	39

#	Article	IF	Citations
73	A simple pyrazoline-based fluorescent probe for Zn2+ in aqueous solution and imaging in living neuron cells. Sensors and Actuators B: Chemical, 2013, 186, 755-760.	7.8	38
74	An effective â€œturn-onâ€•rodamine-based fluorescent chemosensor for Cu (II) in living cells. Sensors and Actuators B: Chemical, 2013, 188, 1235-1240.	7.8	38
75	Synthesis of ferrocenyl pyrazole-containing chiral aminoethanol derivatives andÂtheir inhibition against A549 and H322 lung cancer cells. European Journal of Medicinal Chemistry, 2012, 54, 287-294.	5.5	37
76	Regulation of apoptosis and autophagy by sphingosylphosphorylcholine in vascular endothelial cells. Journal of Cellular Physiology, 2011, 226, 2827-2833.	4.1	36
77	A ratiometric fluorescence probe based on a novel recognition mechanism for monitoring endogenous hypochlorite in living cells. Analytica Chimica Acta, 2019, 1064, 87-93.	5.4	35
78	Rattlesnake venom induces apoptosis by stimulating PC-PLC and upregulating the expression of integrin Î²4, P53 in vascular endothelial cells. Toxicon, 2004, 44, 161-168.	1.6	34
79	Discovery of a novel small molecule, 1-ethoxy-3-(3,4-methylenedioxyphenyl)-2-propanol, that induces apoptosis in A549 human lung cancer cells. Bioorganic and Medicinal Chemistry, 2005, 13, 4176-4183.	3.0	34
80	Lipopolysaccharide induces autophagy through BIRC2 in human umbilical vein endothelial cells. Journal of Cellular Physiology, 2010, 225, 174-179.	4.1	34
81	Lipopolysaccharide activated phosphatidylcholineâ€specific phospholipase C and induced ILâ€8 and MCPâ€1 production in vascular endothelial cells. Journal of Cellular Physiology, 2011, 226, 1694-1701.	4.1	34
82	Effect of Brazilian propolis on human umbilical vein endothelial cell apoptosis. Food and Chemical Toxicology, 2011, 49, 78-85.	3.6	33
83	5-Alkyl-2-ferrocenyl-6,7-dihydropyrazolo[1,5-a]pyrazin-4(5H)-one derivatives inhibit growth of lung cancer A549 cell by inducing apoptosis. Bioorganic and Medicinal Chemistry, 2008, 16, 9093-9100.	3.0	32
84	Fluorescence turn-on chemodosimeter for rapid detection of mercury (II) ions in aqueous solution and blood from mice with toxicosis. Analytica Chimica Acta, 2013, 791, 65-71.	5.4	32
85	Synthesis of 6-cinnamoyl-2H-benzo[b][1,4]oxazin-3(4H)-ones and their effects on A549 lung cancer cell growth. European Journal of Medicinal Chemistry, 2014, 79, 95-101.	5.5	32
86	A novel pH probe based on a rhodamineâ€“rhodamine platform. RSC Advances, 2014, 4, 50318-50324.	3.6	32
87	Novel pyrazoline-based fluorescent probe for detecting thiols and its application in cells. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 137, 450-455.	3.9	32
88	A synergetic FRET/ICT platform-based fluorescence probe for ratiometric imaging of bisulfite in lipid droplets. Analytica Chimica Acta, 2020, 1137, 47-55.	5.4	32
89	A novel mitochondria-targeted ratiometric fluorescent probe for endogenous sulfur dioxide derivatives as a cancer-detecting tool. Journal of Materials Chemistry B, 2020, 8, 5722-5728.	5.8	32
90	A mitochondria-targeted fluorescent probe for the detection of endogenous SO₂ derivatives in living cells. Analyst, The, 2020, 145, 2937-2944.	3.5	32

#	Article	IF	Citations
91	Cooperation of phosphatidylcholine-specific phospholipase C and basic fibroblast growth factor in the neural differentiation of mesenchymal stem cells in vitro. International Journal of Biochemistry and Cell Biology, 2008, 40, 294-306.	2.8	31
92	Discovery of a novel Nrf2 inhibitor that induces apoptosis of human acute myeloid leukemia cells. Oncotarget, 2017, 8, 7625-7636.	1.8	31
93	Novel Complex of Copper and a Salicylaldehyde Pyrazole Hydrazone Derivative Induces Apoptosis through Up-Regulating Integrin Î²4 in Vascular Endothelial Cells. Chemical Research in Toxicology, 2009, 22, 1517-1525.	3.3	30
94	Modulation of vascular endothelial cell senescence by integrin Î²4. Journal of Cellular Physiology, 2010, 225, 673-681.	4.1	30
95	Synthesis of pyrazole peptidomimetics and their inhibition against A549 lung cancer cells. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 6882-6887.	2.2	30
96	Identification of a small molecule targeting annexin A7. Biochimica Et Biophysica Acta - Molecular Cell Research, 2013, 1833, 2092-2099.	4.1	30
97	An FRET-ICT-based ratiometric fluorescent and colorimetric probe for pH monitoring in lysosomes and water. Dyes and Pigments, 2021, 193, 109481.	3.7	30
98	Synthesis of novel pyrazolo[1,5- a]pyrazin-4(5 H)-one derivatives and their inhibition against growth of A549 and H322 lung cancer cells. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 3909-3913.	2.2	29
99	A mitochondria-targeted ratiometric fluorescence sensor for the detection of hypochlorite in living cells. Dyes and Pigments, 2019, 171, 107708.	3.7	29
100	Phosphatidylcholine-specific phospholipase C, p53 and ROS in the association of apoptosis and senescence in vascular endothelial cells. FEBS Letters, 2006, 580, 4911-4915.	2.8	28
101	Synthesis and discovery of autophagy inducers for A549 and H460 lung cancer cells, novel 1-(2â€²-hydroxy-3â€²-aroxypropyl)-3-aryl-1H-pyrazole-5-carbohydrazide derivatives. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 3860-3864.	2.2	28
102	D609 Inhibits Progression of Preexisting Atheroma and Promotes Lesion Stability in Apolipoprotein E^{â^'/â^'}Mice. Arteriosclerosis, Thrombosis, and Vascular Biology, 2010, 30, 411-418.	2.4	28
103	Discovery of novel HSP90 inhibitors that induced apoptosis and impaired autophagic flux in A549 lung cancer cells. European Journal of Medicinal Chemistry, 2018, 145, 551-558.	5.5	28
104	A novel isochroman derivative inhibited apoptosis in vascular endothelial cells through depressing the levels of integrin Î²4, p53 and ROS. Vascular Pharmacology, 2008, 48, 63-69.	2.1	27
105	A new fluorescent probe for colorimetric and ratiometric detection of sulfur dioxide derivatives in liver cancer cells. Scientific Reports, 2017, 7, 45294.	3.3	27
106	A novel lipid droplets-targeted ratiometric fluorescence probe for HSO3â^'/SO32â^' in living cells. Dyes and Pigments, 2020, 173, 107892.	3.7	27
107	Role of Hmbox1 in Endothelial Differentiation of Bone-Marrow Stromal Cells by a Small Molecule. ACS Chemical Biology, 2010, 5, 1035-1043.	3.4	26
108	Phosphatidylethanolamine binding protein 1 in vacular endothelial cell autophagy and atherosclerosis. Journal of Physiology, 2013, 591, 5005-5015.	2.9	26

#	Article	IF	Citations
109	Novel indolyl-chalcone derivatives inhibit A549 lung cancer cell growth through activating Nrf-2/HO-1 and inducing apoptosis in vitro and in vivo. Scientific Reports, 2017, 7, 3919.	3.3	26
110	A new FRET-based ratiometric fluorescence probe for hypochlorous acid and its imaging in living cells. Talanta, 2019, 201, 330-334.	5.5	26
111	Targeting Phosphatidylcholine-Specific Phospholipase C for Atherogenesis Therapy. Trends in Cardiovascular Medicine, 2010, 20, 172-176.	4.9	25
112	Novel chiral ferrocenylpyrazolo[1,5-a][1,4]diazepin-4-one derivatives â€“ Synthesis, characterization and inhibition against lung cancer cells. European Journal of Medicinal Chemistry, 2013, 63, 256-268.	5.5	25
113	Biological activities of novel pyrazolyl hydroxamic acid derivatives against human lung cancer cell line A549. European Journal of Medicinal Chemistry, 2014, 83, 516-525.	5.5	25
114	A new fluorescent turn-on chemodosimeter for mercury ions in solution and its application in cells and organisms. Analytica Chimica Acta, 2014, 807, 126-134.	5.4	25
115	Sphingosylphosphorylcholine protects cardiomyocytes against ischemic apoptosis via lipid raft/PTEN/Akt1/mTOR mediated autophagy. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2015, 1851, 1186-1193.	2.4	25
116	A ratiometric fluorescence sensor for HOCl based on a FRET platform and application in living cells. RSC Advances, 2016, 6, 17059-17063.	3.6	25
117	A pH probe inhibits senescence in mesenchymal stem cells. Stem Cell Research and Therapy, 2018, 9, 343.	5.5	25
118	Safrole oxide induces apoptosis by activating caspase-3, -8, and -9 in A549 human lung cancer cells. Bioorganic and Medicinal Chemistry Letters, 2006, 16, 81-83.	2.2	24
119	Safrole oxide induces apoptosis by up-regulating Fas and FasL instead of integrin Î²4 in A549 human lung cancer cells. Bioorganic and Medicinal Chemistry, 2006, 14, 2438-2445.	3.0	24
120	A New Pyrazoline-Based Fluorescent Probe for Cu2+ in Live Cells. Journal of Fluorescence, 2013, 23, 799-806.	2.5	24
121	A near-infrared and mitochondria-targeted fluorescence probe for ratiometric monitoring of sulfur dioxide derivatives in living cells. Journal of Materials Chemistry B, 2019, 7, 6585-6591.	5.8	24
122	A novel endoplasmic reticulum-targeted ratiometric fluorescent probe based on FRET for the detection of SO2 derivatives. Dyes and Pigments, 2021, 188, 109180.	3.7	24
123	Enhancing autophagy protects platelets in immune thrombocytopenia patients. Annals of Translational Medicine, 2019, 7, 134-134.	1.7	24
124	Suppression of Apoptosis by Inhibition of Phosphatidylcholine-Specific Phospholipase C in Vascular Endothelial Cells. Endothelium: Journal of Endothelial Cell Research, 1997, 5, 231-239.	1.7	23
125	Protective effects of a benzoxazine derivative against oxidized LDL-induced apoptosis and the increases of integrin Î²4, ROS, NF-Î²B and P53 in human umbilical vein endothelial cells. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 2896-2900.	2.2	23
126	Synthesis of 5-benzyl-2-phenylpyrazolo[1,5-a]pyrazin-4,6(5H,7H)-dione derivatives and discovery of an apoptosis inducer for H322 lung cancer cells. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 844-849.	2.2	23

#	Article	IF	Citations
127	SEC-induced activation of ANXA7 GTPase suppresses prostate cancer metastasis. Cancer Letters, 2018, 416, 11-23.	7.2	23
128	A small molecule induces integrin Î²4 nuclear translocation and apoptosis selectively in cancer cells with high expression of integrin Î²4. Oncotarget, 2016, 7, 16282-16296.	1.8	23
129	TIA1 interacts with annexin A7 in regulating vascular endothelial cell autophagy. International Journal of Biochemistry and Cell Biology, 2014, 57, 115-122.	2.8	22
130	Nano-Mg(OH)2-induced proliferation inhibition and dysfunction of human umbilical vein vascular endothelial cells through caveolin-1-mediated endocytosis. Cell Biology and Toxicology, 2015, 31, 15-27.	5.3	22
131	A quinoline-coumarin near-infrared ratiometric fluorescent probe for detection of sulfur dioxide derivatives. Analytica Chimica Acta, 2022, 1211, 339908.	5.4	22
132	A butyrolactone derivative suppressed lipopolysaccharide-induced autophagic injury through inhibiting the autoregulatory loop of p8 and p53 in vascular endothelial cells. International Journal of Biochemistry and Cell Biology, 2012, 44, 311-319.	2.8	21
133	A new FRET-based ratiometric fluorescent probe for the detection of SO2 derivatives in mitochondria of living cells. Dyes and Pigments, 2020, 181, 108639.	3.7	21
134	Apoptosis Mediated by Phosphatidylcholine-Specific Phospholipase C is Associated with cAMP, p53 Level, and Cell-Cycle Distribution in Vascular Endothelial Cells. Endothelium: Journal of Endothelial Cell Research, 2003, 10, 141-147.	1.7	20
135	Contrasting Effects of Phosphatidylinosital-and Phosphatidylcholine-Specific Phospholipase C on Apoptosis in Cultured Endothelial Cells. Endothelium: Journal of Endothelial Cell Research, 2006, 13, 205-211.	1.7	20
136	Inhibition of phosphatidylcholineâ€specific phospholipase C prevents bone marrow stromal cell senescence in vitro. Journal of Cellular Biochemistry, 2009, 108, 519-528.	2.6	20
137	Phosphorylation and nuclear translocation of integrin Î²4 induced by a chemical small molecule contribute to apoptosis in vascular endothelial cells. Apoptosis: an International Journal on Programmed Cell Death, 2013, 18, 1120-1131.	4.9	20
138	A mitochondria-targeted ratiometric fluorescence probe for detection of SO2 derivatives in living cells. Dyes and Pigments, 2020, 182, 108658.	3.7	20
139	Integrin Î²4 in Neural Cells. NeuroMolecular Medicine, 2008, 10, 316-321.	3.4	19
140	Synthesis and discovery of a novel pyrazole derivative as an inhibitor of apoptosis through modulating integrin Î²4, ROS, and p53 levels in vascular endothelial cells. Bioorganic and Medicinal Chemistry, 2008, 16, 5171-5180.	3.0	19
141	Discovery of new fluorescent thiazoleâ€“pyrazoline derivatives as autophagy inducers by inhibiting mTOR activity in A549 human lung cancer cells. Cell Death and Disease, 2020, 11, 551.	6.3	19
142	Safrole oxide induces neuronal apoptosis through inhibition of integrin Î²4/SOD activity and elevation of ROS/NADPH oxidase activity. Life Sciences, 2007, 80, 999-1006.	4.3	18
143	Vascular endothelial cell senescence mediated by integrin Î²4 in vitro. FEBS Letters, 2007, 581, 5337-5342.	2.8	18
144	A novel butyrolactone derivative inhibited apoptosis and depressed integrin Î²4 expression in vascular endothelial cells. Bioorganic and Medicinal Chemistry Letters, 2007, 17, 482-485.	2.2	18

#	Article	IF	Citations
145	Knockdown of integrin Î²4 in primary cultured mouse neurons blocks survival and induces apoptosis by elevating NADPH oxidase activity and reactive oxygen species level. International Journal of Biochemistry and Cell Biology, 2008, 40, 689-699.	2.8	18
146	Protective Effects of a Synthesized Butyrolactone Derivative against Chloroquine-Induced Autophagic Vesicle Accumulation and the Disturbance of Mitochondrial Membrane Potential and Na⁺,K⁺-ATPase Activity in Vascular Endothelial Cells. Chemical Research in Toxicology, 2009, 22, 471-475.	3.3	18
147	A Chemical Small Molecule Induces Mouse Embryonic Stem Cell Differentiation into Functional Vascular Endothelial Cells via Hmbox1. Stem Cells and Development, 2012, 21, 2762-2769.	2.1	18
148	Cholinergic Neuron-Like Cells Derived from Bone Marrow Stromal Cells Induced by Tricyclodecane-9-yl-Xanthogenate Promote Functional Recovery and Neural Protection after Spinal Cord Injury. Cell Transplantation, 2013, 22, 961-975.	2.5	18
149	Discovery of 2â€²-hydroxychalcones as autophagy inducer in A549 lung cancer cells. Organic and Biomolecular Chemistry, 2014, 12, 3062-3070.	2.8	18
150	Two simple but effective turn-on benzothiazole-based fluorescent probes for detecting hydrogen sulfide in real water samples and HeLa cells. Analytica Chimica Acta, 2022, 1189, 339225.	5.4	18
151	Effect of safrole oxide on vascular endothelial cell growth and apoptosis induced by deprivation of fibroblast growth factor. Acta Pharmacologica Sinica, 2002, 23, 323-6.	6.1	18
152	Safrole oxide inhibits angiogenesis by inducing apoptosis. Vascular Pharmacology, 2005, 43, 69-74.	2.1	17
153	Both Senescence and Apoptosis Induced by Deprivation of Growth Factors Were Inhibited by a Novel Butyrolactone Derivative through Depressing Integrin Î²4 in Vascular Endothelial Cells. Endothelium: Journal of Endothelial Cell Research, 2007, 14, 325-332.	1.7	17
154	Novel morpholin-3-one derivatives induced apoptosis and elevated the level of P53 and Fas in A549 lung cancer cells. Bioorganic and Medicinal Chemistry, 2007, 15, 3889-3895.	3.0	17
155	A Butyrolactone Derivative 3BDO Alleviates Memory Deficits and Reduces Amyloid-Î² Deposition in an AÎ²PP/PS1 Transgenic Mouse Model. Journal of Alzheimer's Disease, 2012, 30, 531-543.	2.6	17
156	Discovery of a novel fluorescent HSP90 inhibitor and its anti-lung cancer effect. RSC Advances, 2014, 4, 19887-19890.	3.6	17
157	Inhibition of ANXA7 GTPase activity by a small molecule promotes HMBOX1 translation of vascular endothelial cells in vitro and in vivo. International Journal of Biochemistry and Cell Biology, 2016, 79, 33-40.	2.8	17
158	D609 induces vascular endothelial cells and marrow stromal cells differentiation into neuron-like cells. Acta Pharmacologica Sinica, 2004, 25, 442-6.	6.1	17
159	Relationship between annexin A7 and integrin Î²4 in autophagy. International Journal of Biochemistry and Cell Biology, 2013, 45, 2605-2611.	2.8	16
160	A new turn-on fluorescence probe for Zn2+ in aqueous solution and imaging application in living cells. Analytica Chimica Acta, 2014, 826, 77-83.	5.4	16
161	An effective fluorescent probe to detect glutathione from other sulfhydryl compounds in aqueous solution and its living cell imaging. RSC Advances, 2014, 4, 54650-54654.	3.6	16
162	SAFROLE OXIDE INDUCES APOPTOSIS IN A549 HUMAN LUNG CANCER CELLS. Experimental Lung Research, 2004, 30, 419-429.	1.2	15

#	Article	IF	Citations
163	Phosphatidylcholine-specific phospholipase C and ROS were involved in chicken blastodisc differentiation to vascular endothelial cells. Journal of Cellular Biochemistry, 2007, 102, 421-428.	2.6	15
164	A novel butyrolactone derivative inhibited smooth muscle cell migration and proliferation and maintained endothelial cell functions through selectively affecting Na, Kâ€ATPase activity and mitochondria membrane potential during in vitro angiogenesis. Journal of Cellular Biochemistry, 2008, 104, 2123-2130.	2.6	15
165	Novel Pyrazoline-Based Selective Fluorescent Sensor for Hg2+. Journal of Fluorescence, 2014, 24, 657-663.	2.5	15
166	Inhibition of autophagy promoted sphingosylphosphorylcholine induced cell death in non-small cell lung cancer cells. Biochemical and Biophysical Research Communications, 2014, 453, 502-507.	2.1	15
167	A water-soluble pH fluorescence probe based on quaternary ammonium salt for bioanalytical applications. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 151, 218-224.	3.9	15
168	A new ratiometric fluorescent probe for detecting endogenous HClO in living cells. New Journal of Chemistry, 2018, 42, 2989-2993.	2.8	15
169	Inhibiting lysine 353 oxidation of GRP78 by a hypochlorous probe targeting endoplasmic reticulum promotes autophagy in cancer cells. Cell Death and Disease, 2019, 10, 858.	6.3	15
170	Integrin Î²4 is a target of rattlesnake venom during inducing apoptosis of vascular endothelial cells. Vascular Pharmacology, 2004, 41, 1-6.	2.1	14
171	D609 blocks cell survival and induces apoptosis in neural stem cells. Bioorganic and Medicinal Chemistry Letters, 2006, 16, 4780-4783.	2.2	14
172	Synthesis, crystal structure and biological evaluation of novel 2-(5-(hydroxymethyl)-3-phenyl-1H-pyrazol-1-yl)-1-phenylethanol derivatives. European Journal of Medicinal Chemistry, 2010, 45, 5792-5799.	5.5	14
173	Discovery of a benzoxazine derivative promoting angiogenesis in vitro and in vivo. Journal of Cellular Physiology, 2010, 223, 202-208.	4.1	13
174	A New Thiophenyl Pyrazoline Fluorescent Probe for Cu2+ in Aqueous Solution and Imaging in Live Cell. Journal of Fluorescence, 2013, 23, 1263-1269.	2.5	13
175	The New Role of CD163 in the Differentiation of Bone Marrow Stromal Cells into Vascular Endothelial-Like Cells. Stem Cells International, 2016, 2016, 1-10.	2.5	13
176	Microwave-assisted synthesis, crystal structure of pyrazolo[1,5-a]pyrazin-4(5H)-ones and their selective effects on lung cancer cells. European Journal of Medicinal Chemistry, 2011, 46, 2359-2367.	5.5	12
177	Novel ferrocenyl derivatives exert anti-cancer effect in human lung cancer cells in vitro via inducing G1-phase arrest and senescence. Acta Pharmacologica Sinica, 2013, 34, 960-968.	6.1	12
178	The effect of two novel amino acid-coated magnetic nanoparticles on survival in vascular endothelial cells, bone marrow stromal cells, and macrophages. Nanoscale Research Letters, 2014, 9, 461.	5.7	12
179	Relationships between Phosphatidylcholine-Specific Phospholipase C and Integrins in Cell-Substratum Adhesion and Apoptosis in Vascular Endothelial Cells. Endothelium: Journal of Endothelial Cell Research, 1997, 5, 297-305.	1.7	11
180	Effects of novel safrole oxide derivatives, 1-methoxy-3-(3,4-methylenedioxyphenyl)-2-propanol and 1-ethoxy-3-(3,4-methylenedioxyphenyl)-2-propanol, on apoptosis induced by deprivation of survival factors in vascular endothelial cells. Vascular Pharmacology, 2003, 40, 183-187.	2.1	11

#	Article	IF	Citations
181	Inhibition of PC-PLC Blocked the Survival of Mouse Neural Cells by Up-Regulating the Expression of Integrin beta4 and Rb. Developmental Neuroscience, 2006, 28, 499-504.	2.0	11
182	Knockdown of integrin Î²4â€induced autophagic cell death associated with P53 in A549 lung adenocarcinoma cells. FEBS Journal, 2008, 275, 5725-5732.	4.7	11
183	Synthesis of benzo[b][1,4]oxazin-3(4H)-ones via smiles rearrangement for antimicrobial activity. Medicinal Chemistry Research, 2011, 20, 670-677.	2.4	11
184	Phosphatidylcholine-specific phospholipase C/heat shock protein 70 (Hsp70)/transcription factor B-cell translocation gene 2 signaling in rat bone marrow stromal cell differentiation to cholinergic neuron-like cells. International Journal of Biochemistry and Cell Biology, 2012, 44, 2253-2260.	2.8	11
185	A small molecule targeting glutathione activates Nrf2 and inhibits cancer cell growth through promoting Keap-1 S-glutathionylation and inducing apoptosis. RSC Advances, 2018, 8, 792-804.	3.6	11
186	Apoptosis Mediated by Phosphatidylcholine-Specific Phospholipase C is Associated with cAMP, p53 Level, and Cell-Cycle Distribution in Vascular Endothelial Cells. Endothelium: Journal of Endothelial Cell Research, 2003, 10, 141-147.	1.7	11
187	Human vascular endothelial cells reduce sphingosylphosphorylcholine-induced smooth muscle cell contraction in co-culture system through integrin Î²4 and Fyn. Acta Pharmacologica Sinica, 2012, 33, 57-65.	6.1	10
188	Two novel amino acid-coated super paramagnetic nanoparticles at low concentrations label and promote the proliferation of mesenchymal stem cells. RSC Advances, 2016, 6, 10159-10161.	3.6	10
189	Suppressing Akt phosphorylation and activating Fas by safrole oxide inhibited angiogenesis and induced vascular endothelial cell apoptosis in the presence of fibroblast growth factor-2 and serum. International Journal of Biochemistry and Cell Biology, 2006, 38, 1603-1613.	2.8	9
190	Loss of HMBOX1 promotes LPS-induced apoptosis and inhibits LPS-induced autophagy of vascular endothelial cells in mouse. Apoptosis: an International Journal on Programmed Cell Death, 2019, 24, 946-957.	4.9	9
191	H2S probe CPC inhibits autophagy and promotes apoptosis by inhibiting glutathionylation of Keap1 at Cys434. Apoptosis: an International Journal on Programmed Cell Death, 2021, 26, 111-131.	4.9	9
192	A new activator of esterase D decreases blood cholesterol level through ESD/JAB1/ABCA1 pathway. Journal of Cellular Physiology, 2021, 236, 4750-4763.	4.1	9
193	Neural stem cell differentiation is mediated by integrin Î²4 in vitro. International Journal of Biochemistry and Cell Biology, 2009, 41, 916-924.	2.8	8
194	A benzoxazine derivative induces vascular endothelial cell apoptosis in the presence of fibroblast growth factor-2 by elevating NADPH oxidase activity and reactive oxygen species levels. Toxicology in Vitro, 2009, 23, 1039-1046.	2.4	8
195	Finding the mechanism of esterase D activation by a small molecule. Bioorganic and Medicinal Chemistry Letters, 2020, 30, 127150.	2.2	8
196	Two fluorescent turn-on probes for detecting thiophenols in environmental water and in living cell imaging. Microchemical Journal, 2022, 175, 107220.	4.5	8
197	Integrin beta4 mAb inhibited apoptosis induced by deprivation of growth factors in vascular endothelial cells. Acta Pharmacologica Sinica, 2004, 25, 733-7.	6.1	8
198	Effects of Novel Safrole Oxide Derivatives, 1-Propyl-3-(3,4-methylenedioxyphenyl)-2-propanol and 1-Isopropoxy-3-(3,4-methylenedioxyphenyl)-2-propanol, on Apoptosis Induced by Deprivation of Survival Factors in Vascular Endothelial Cells. Endothelium: Journal of Endothelial Cell Research, 2004, 11, 267-273.	1.7	7

#	Article	IF	Citations
199	Facile Synthesis and Evaluation of Cell A549 Growth Inhibitory Activity of 4-Aryl-6-aryloxymethylmorpholin-3-one Derivatives. Chinese Journal of Chemistry, 2006, 24, 396-400.	4.9	7
200	The promotion effect of novel magnetic nanoparticles on atherosclerotic plaque vulnerability in apolipoprotein E-/- mice. Toxicology, 2019, 419, 24-31.	4.2	7
201	A ratiometric fluorescent probe for selective detection of thiophenol derivatives. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 271, 120870.	3.9	7
202	Safrole oxide induces human umbilical vein endothelial cell transdifferentiation to 5-hydroxytryptaminergic neuron-like cells through tropomyosin receptor kinase A/cyclooxygenase 2/nuclear factor-kappa B/interleukin 8 signaling. International Journal of Biochemistry and Cell Biology, 2011, 43, 1512-1522.	2.8	6
203	N-benzyl-5-phenyl-1H-pyrazole-3-carboxamide promotes vascular endothelial cell angiogenesis and migration in the absence of serum and FGF-2. Acta Pharmacologica Sinica, 2011, 32, 209-216.	6.1	6
204	Identification of a small molecule preventing BMSC senescence in vitro by improving intracellular homeostasis via ANXA7 and Hmbox1. RSC Advances, 2014, 4, 56722-56730.	3.6	6
205	Identification of New Small Molecules as Apoptosis Inhibitors in Vascular Endothelial Cells. Journal of Cardiovascular Pharmacology, 2016, 67, 312-318.	1.9	6
206	MROH 7â€•TTC 4 readâ€through lnc RNA suppresses vascular endothelial cell apoptosis and is upregulated by inhibition of ANXA 7 GTP ase activity. FEBS Journal, 2019, 286, 4937-4950.	4.7	6
207	Long Noncoding RNA-CERNA1 Stabilized Atherosclerotic Plaques in apolipoprotein Eâ^'/â^' Mice. Journal of Cardiovascular Translational Research, 2019, 12, 425-434.	2.4	6
208	Esterase D stabilizes FKBP25 to suppress mTORC1. Cellular and Molecular Biology Letters, 2021, 26, 50.	7.0	6
209	Activation of Esterase D by FPD5 Inhibits Growth of A549 Lung Cancer Cells via JAB1/p53 Pathway. Genes, 2022, 13, 786.	2.4	6
210	Safrole oxide is a useful tool for investigating the effect of apoptosis in vascular endothelial cells on neural stem cell survival and differentiation in vitro. Bioorganic and Medicinal Chemistry Letters, 2007, 17, 3167-3171.	2.2	5
211	Facile Synthesis, Singleâ€Crystal Structure, and Biological Evaluation of Novel Pyrazolo[5,1â€d][1,2,5]triazepinâ€4â€ones. Helvetica Chimica Acta, 2012, 95, 134-143.	1.6	5
212	ZnS nanoarchitectures induced dysfunction of vascular endothelial cells in vitro and in vivo. Environmental Toxicology, 2015, 30, 755-768.	4.0	5
213	Effects of annexin A7 inhibitor-ABO on the expression and distribution of long noncoding RNA-CERNA1 in vascular endothelial cells apoptosis. Apoptosis: an International Journal on Programmed Cell Death, 2019, 24, 552-561.	4.9	5
214	Low-concentration HCP1 inhibits apoptosis in vascular endothelial cells. Biochemical and Biophysical Research Communications, 2019, 511, 92-98.	2.1	5
215	A carbazole compound, 9-ethyl-9H-carbazole-3-carbaldehyde, plays an antitumor function through reactivation of the p53 pathway in human melanoma cells. Cell Death and Disease, 2021, 12, 591.	6.3	5
216	Ratiometric fluorescence sensing of endogenous sulfur dioxide derivatives: Bio-imaging application in lipid droplets. Dyes and Pigments, 2021, 192, 109457.	3.7	5

#	Article	IF	Citations
217	A hydrogen sulfide probe activates Nrf2, inhibits cancer cell growth and induces cell apoptosis. RSC Advances, 2017, 7, 42416-42421.	3.6	5
218	An Inhibitor of Grp94 Inhibits OxLDL-Induced Autophagy and Apoptosis in VECs and Stabilized Atherosclerotic Plaques. Frontiers in Cardiovascular Medicine, 2021, 8, 757591.	2.4	5
219	Discovery of a pyrazole derivative promoting angiogenesis through modulating reactive oxygen species and interferon-inducible protein 10 levels. Molecular Biology Reports, 2011, 38, 1491-1497.	2.3	4
220	Synthesis and Discovery of Novel Pyrazole Carboxamide Derivatives as Potential Osteogenesis Inducers. Archiv Der Pharmazie, 2012, 345, 870-877.	4.1	4
221	Potential roles of annexin A7 GTPase in autophagy, senescence and apoptosis. RSC Advances, 2016, 6, 114587-114592.	3.6	4
222	The novel HOCl fluorescent probe CAN induced A549 apoptosis by inhibiting chlorination activity of MPO. Bioorganic and Medicinal Chemistry Letters, 2020, 30, 127394.	2.2	4
223	Promoting TTC4 and HSP70 interaction and translocation of annexin A7 to lysosome inhibits apoptosis in vascular endothelial cells. FASEB Journal, 2020, 34, 12932-12945.	0.5	4
224	Discovery of a fluorescigenic pyrazoline derivative targeting ubiquitin. Biochemical and Biophysical Research Communications, 2020, 528, 256-260.	2.1	4
225	Safrole-2â€²,3â€²-oxide induces atherosclerotic plaque vulnerability in apolipoprotein E-knockout mice. Toxicology Letters, 2013, 217, 129-136.	0.8	3
226	Discovery of a new autophagy inducer for A549 lung cancer cells. Bioorganic and Medicinal Chemistry, 2019, 27, 2845-2856.	3.0	3
227	Expression ofbcl-2 gene increases in apoptosis of vascular endothelial cells induced by rattlesnake venom. Science Bulletin, 2000, 45, 1195-1198.	1.7	2
228	A benzoxazine derivative specifically inhibits cell cycle progression in p53-wild type pulmonary adenocarcinoma cells. Frontiers in Biology, 2010, 5, 180-186.	0.7	2
229	Low-dose HSP90 inhibitors DPB and AUY-922 repress apoptosis in HUVECs. RSC Advances, 2015, 5, 75753-75755.	3.6	2
230	Identification of a new autophagy inhibitor targeting lipid droplets in vascular endothelial cells. Biochemical and Biophysical Research Communications, 2021, 571, 195-200.	2.1	2
231	ZBMâ€Hâ€induced activation of GRP78 ATPase promotes apoptosis via annexin A7 in A549 lung cancer cells. Journal of Cellular Biochemistry, 2022, , .	2.6	2
232	Phosphatidylcholineâ€specific phospholipase C activity and level increase evidently in thromboangitis obliterans. BioFactors, 2010, 36, 196-200.	5.4	1
233	A synthesized butyrolactone derivative in combination with chloroquine can inhibit cancer cell growth and lysosome vacuolation induced by chloroquine in A549 lung cancer cells. RSC Advances, 2016, 6, 54099-54101.	3.6	0