Ruei-Ming Chen

List of Publications by Year
in descending order

110 papers	3,999 citations	94433 37 h-index	149698 56 g-index
112 all docs	112 docs citations	112 times ranked	4882 citing authors

#	Article	IF	Citations
1	Exosomal mediated signal transduction through artificial microRNA (amiRNA): A potential target for inhibition of SARS-CoV-2. Cellular Signalling, 2022, 95, 110334.	3.6	8
2	Genistein Triggers Translocation of Estrogen Receptor-Alpha in Mitochondria to Induce Expressions of ATP Synthesis-Associated Genes and Improves Energy Production and Osteoblast Maturation. The American Journal of Chinese Medicine, 2021, 49, 901-923.	3.8	4
3	MO140INDOXYL SULFATE INDUCES THE APOPTOSIS OF THE DIFFERENTIATING NEURONS BY ENHANCING OXIDATIVE STRESS AND CLINICAL COGNITIVE IMPAIRMENT. Nephrology Dialysis Transplantation, 2021, 36, .	0.7	0
4	Hypoxia Induced by Cobalt Chloride Triggers Autophagic Apoptosis of Human and Mouse Drug-Resistant Glioblastoma Cells through Targeting the PI3K-AKT-mTOR Signaling Pathway. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-16.	4.0	13
5	The Role of Plasma Neurofilament Light Protein for Assessing Cognitive Impairment in Patients With End-Stage Renal Disease. Frontiers in Aging Neuroscience, 2021, 13, 657794.	3.4	10
6	Histone deacetylase 6 acts upstream of DNA damage response activation to support the survival of glioblastoma cells. Cell Death and Disease, 2021, 12, 884.	6.3	10
7	Naringin Improves Osteoblast Mineralization and Bone Healing and Strength through Regulating Estrogen Receptor Alpha-Dependent Alkaline Phosphatase Gene Expression. Journal of Agricultural and Food Chemistry, 2021, 69, 13020-13033.	5.2	13
8	Histone deacetylase inhibitor MPT0B291 suppresses Glioma Growth in vitro and in vivo partially through acetylation of p53. International Journal of Biological Sciences, 2020, 16, 3184-3199.	6.4	15
9	Inhibition of the estrogen receptor alpha signaling delays bone regeneration and alters osteoblast maturation, energy metabolism, and angiogenesis. Life Sciences, 2020, 258, 118195.	4.3	9
10	Genistein Improves Bone Healing via Triggering Estrogen Receptor Alpha-Mediated Expressions of Osteogenesis-Associated Genes and Consequent Maturation of Osteoblasts. Journal of Agricultural and Food Chemistry, 2020, 68, 10639-10650.	5.2	23
11	The Bradykinin-BDKRB1 Axis Regulates Aquaporin 4 Gene Expression and Consequential Migration and Invasion of Malignant Glioblastoma Cells via a Ca2+-MEK1-ERK1/2-NF-Î°B Mechanism. Cancers, 2020, 12, 667.	3.7	32
12	Tc-99m TRODAT-1 SPECT is a Potential Biomarker for Restless Leg Syndrome in Patients with End-Stage Renal Disease. Journal of Clinical Medicine, 2020, 9, 889.	2.4	2
13	Cervical Noninvasive Vagus Nerve Stimulation for Migraine and Cluster Headache: A Systematic Review and Meta-Analysis. Neuromodulation, 2020, 23, 721-731.	0.8	36
14	Methylpiperidinopyrazole Attenuates Estrogen-Induced Mitochondrial Energy Production and Subsequent Osteoblast Maturation via an Estrogen Receptor Alpha-Dependent Mechanism. Molecules, 2020, 25, 2876.	3.8	9
15	Renal insufficiency plays a crucial association factor in severe knee osteoarthritis-induced pain in patients with total knee replacement. Medicine (United States), 2020, 99, e19125.	1.0	4
16	Increased activation of HDAC1/2/6 and Sp1 underlies therapeutic resistance and tumor growth in glioblastoma. Neuro-Oncology, 2020, 22, 1439-1451.	1.2	63
17	Major Contribution of Caspase-9 to Honokiol-Induced Apoptotic Insults to Human Drug-Resistant Glioblastoma Cells. Molecules, 2020, 25, 1450.	3.8	6
18	The Role of Vitamin D in Modulating Mesenchymal Stem Cells and Endothelial Progenitor Cells for Vascular Calcification. International Journal of Molecular Sciences, 2020, 21, 2466.	4.1	17

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19	Biomechanical and tomographic differences in the microarchitecture and strength of trabecular and cortical bone in the early stage of male osteoporosis. PLoS ONE, 2019, 14, e0219718.	2.5	12
20	Honokiol Induces Autophagic Apoptosis in Neuroblastoma Cells through a P53-Dependent Pathway. The American Journal of Chinese Medicine, 2019, 47, 895-912.	3.8	19
21	Emerging Role of Vitamins D and K in Modulating Uremic Vascular Calcification: The Aspect of Passive Calcification. Nutrients, 2019, 11, 152.	4.1	29
22	Traumatic osteoarthritis-induced persistent mechanical hyperalgesia in a rat model of anterior cruciate ligament transection plus a medial meniscectomy. Journal of Pain Research, 2018, Volume 11, 41-50.	2.0	15
23	Liver nitrosation and inflammation in septic rats were suppressed by propofol via downregulating TLR4/NF-Î²B-mediated iNOS and IL-6 gene expressions. Life Sciences, 2018, 195, 25-32.	4.3	25
24	Improved effects of honokiol on temozolomide-induced autophagy and apoptosis of drug-sensitive and -tolerant glioma cells. BMC Cancer, 2018, 18, 379.	2.6	37
25	Sepsis-induced liver dysfunction was ameliorated by propofol via suppressing hepatic lipid peroxidation, inflammation, and drug interactions. Life Sciences, 2018, 213, 279-286.	4.3	21
26	Honokiol enhances temozolomide-induced apoptotic insults to malignant glioma cells via an intrinsic mitochondrion-dependent pathway. Phytomedicine, 2018, 49, 41-51.	5.3	22
27	Regulation of cytochrome P450 gene expression by ketamine: a review. Expert Opinion on Drug Metabolism and Toxicology, 2018, 14, 709-720.	3.3	9
28	Effects of tebuconazole on cytochrome P450 enzymes, oxidative stress, and endocrine disruption in male rats. Environmental Toxicology, 2018, 33, 899-907.	4.0	51
29	Estrogen/ERÎ± signaling axis participates in osteoblast maturation via upregulating chromosomal and mitochondrial complex gene expressions. Oncotarget, 2018, 9, 1169-1186.	1.8	25
30	Cobalt chloride treatment induces autophagic apoptosis in human glioma cells via a p53-dependent pathway. International Journal of Oncology, 2017, 50, 964-974.	3.3	24
31	Protection of Dexmedetomidine Against Ischemia/Reperfusion-Induced Apoptotic Insults to Neuronal Cells Occurs Via an Intrinsic Mitochondria-Dependent Pathway. Journal of Cellular Biochemistry, 2017, 118, 2635-2644.	2.6	53
32	Participation of GATA-3 in regulation of bone healing through transcriptional upregulation of bcl-xL expression. Experimental and Molecular Medicine, 2017, 49, e398-e398.	7.7	20
33	Honokiol induces autophagic cell death in malignant glioma through reactive oxygen species-mediated regulation of the p53/PI3K/Akt/mTOR signaling pathway. Toxicology and Applied Pharmacology, 2016, 304, 59-69.	2.8	90
34	Ketamine alleviates bradykinin-induced disruption of the mouse cerebrovascular endothelial cell-constructed tight junction barrier via a calcium-mediated redistribution of occludin polymerization. Toxicology, 2016, 368-369, 142-151.	4.2	18
35	Data analyses of honokiol-induced autophagy of human glioma cells in vitro and in vivo. Data in Brief, 2016, 9, 667-672.	1.0	10
36	Roles of NMDARs in maintenance of the mouse cerebrovascular endothelial cell-constructed tight junction barrier. Toxicology, 2016, 339, 40-50.	4.2	24

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37	Roles of microRNA-1 in hypoxia-induced apoptotic insults to neuronal cells. Archives of Toxicology, 2016, 90, 191-202.	4.2	40
38	Oxidative stress-induced apoptotic insults to rat osteoblasts are attenuated by nitric oxide pretreatment via GATA-5-involved regulation of Bcl-X L gene expression and protein translocation. Archives of Toxicology, 2016, 90, 905-916.	4.2	24
39	Preclinical effects of honokiol on treating glioblastoma multiforme via G1 phase arrest and cell apoptosis. Phytomedicine, 2016, 23, 517-527.	5.3	35
40	Honokiol inhibits sphere formation and xenograft growth of oral cancer side population cells accompanied with JAK/STAT signaling pathway suppression and apoptosis induction. BMC Cancer, 2016, 16, 245.	2.6	49
41	Neuron-derived orphan receptor 1 transduces survival signals in neuronal cells in response to hypoxia-induced apoptotic insults. Journal of Neurosurgery, 2016, 124, 1654-1664.	1.6	16
42	Honokiol induces autophagy of neuroblastoma cells through activating the PI3K/Akt/mTOR and endoplasmic reticular stress/ERK1/2 signaling pathways and suppressing cell migration. Cancer Letters, 2016, 370, 66-77.	7.2	108
43	Chitosan nanofiber scaffold improves bone healing via stimulating trabecular bone production due to upregulation of the Runx2/osteocalcin/alkaline phosphatase signaling pathway. International Journal of Nanomedicine, 2015, 10, 5941.	6.7	45
44	MicroRNA-1 Participates in Nitric Oxide-Induced Apoptotic Insults to MC3T3-E1 Cells by Targeting Heat-Shock Protein-70. International Journal of Biological Sciences, 2015, 11, 246-255.	6.4	24
45	Ring-Oxidative Biotransformation and Drug Interactions of Propofol in the Livers of Rats. BioMed Research International, 2015, 2015, 1-11.	1.9	4
46	Effects of Polypropylene Carbonate/Poly(d,l-lactic) Acid/Tricalcium Phosphate Elastic Composites on Improving Osteoblast Maturation. Annals of Biomedical Engineering, 2015, 43, 1999-2009.	2.5	11
47	Gold Nanoparticles Increase Endothelial Paracellular Permeability by Altering Components of Endothelial Tight Junctions, and Increase Blood-Brain Barrier Permeability in Mice. Toxicological Sciences, 2015, 148, 192-203.	3.1	71
48	Improving effects of chitosan nanofiber scaffolds on osteoblast proliferation and maturation. International Journal of Nanomedicine, 2014, 9, 4293.	6.7	44
49	Genistein induces oestrogen receptor-Î± gene expression in osteoblasts through the activation of mitogen-activated protein kinases/NF-ÎºB/activator protein-1 and promotes cell mineralisation. British Journal of Nutrition, 2014, 111, 55-63.	2.3	54
50	Drynaria fortunei J. Sm. improves the bone mass of ovariectomized rats through osteocalcin-involved endochondral ossification. Journal of Ethnopharmacology, 2014, 158, 94-101.	4.1	29
51	Resveratrol Attenuates High-Fat Diet-Induced Disruption of the Bloodâ€“Brain Barrier and Protects Brain Neurons from Apoptotic Insults. Journal of Agricultural and Food Chemistry, 2014, 62, 3466-3475.	5.2	49
52	MicroRNA-210 targets antiapoptotic Bcl-2 expression and mediates hypoxia-induced apoptosis of neuroblastoma cells. Archives of Toxicology, 2013, 87, 459-468.	4.2	113
53	Hyperventilation accelerates rise in arterial blood concentrations of sevoflurane in gynecologic patients. Journal of Anesthesia, 2013, 27, 35-42.	1.7	3
54	Pharmacokinetics of desflurane elimination from respiratory gas and blood during the 20 minutes after cardiac surgery. Journal of the Formosan Medical Association, 2013, 112, 185-192.	1.7	10

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55	Propofol protects against nitrosative stress-induced apoptotic insults to cerebrovascular endothelial cells via an intrinsic mitochondrial mechanism. Surgery, 2013, 154, 58-68.	1.9	23
56	GATA-2 Transduces LPS-Induced il-1Î² Gene Expression in Macrophages via a Toll-Like Receptor 4/MD88/MAPK-Dependent Mechanism. PLoS ONE, 2013, 8, e72404.	2.5	24
57	Honokiol traverses the blood-brain barrier and induces apoptosis of neuroblastoma cells via an intrinsic bax-mitochondrion-cytochrome c-caspase protease pathway. Neuro-Oncology, 2012, 14, 302-314.	1.2	105
58	Mechanisms of ketamine-induced immunosuppression. Acta Anaesthesiologica Taiwanica, 2012, 50, 172-177.	1.0	40
59	Lipoteichoic acid induces surfactant protein-A biosynthesis in human alveolar type II epithelial cells through activating the MEK1/2-ERK1/2-NF-ÎºB pathway. Respiratory Research, 2012, 13, 88.	3.6	12
60	SATB2 participates in regulation of menadioneâ€induced apoptotic insults to osteoblasts. Journal of Orthopaedic Research, 2012, 30, 1058-1066.	2.3	20
61	Water ingestion reduces skin blood flow through sympathetic vasoconstriction. Clinical Autonomic Research, 2012, 22, 63-69.	2.5	18
62	Hyperventilation accelerates the rise of arterial blood concentrations of desflurane in gynecologic patients. Clinics, 2012, 67, 1029-1034.	1.5	4
63	Lipopolysaccharide stimulates syntheses of toll-like receptor 2 and surfactant protein-A in human alveolar epithelial A549 cells through upregulating phosphorylation of MEK1 and ERK1/2 and sequential activation of NF-ÎºB. Cytokine, 2011, 55, 40-47.	3.2	33
64	Toll-like receptor 2-mediated sequential activation of MyD88 and MAPKs contributes to lipopolysaccharide-induced sp-a gene expression in human alveolar epithelial cells. Immunobiology, 2011, 216, 707-714.	1.9	11
65	Nanoparticles prepared from the water extract of Gusuibu (Drynaria fortunei J. Sm.) protects osteoblasts against insults and promotes cell maturation. International Journal of Nanomedicine, 2011, 6, 1405.	6.7	3
66	Mechanismâ€based inhibition of cytochrome P450 (CYP)2A6 by chalepensin in recombinant systems, in human liver microsomes and in mice in vivo. British Journal of Pharmacology, 2011, 163, 1250-1262.	5.4	18
67	Resveratrol Attenuates Oxidized LDL-Evoked Lox-1 Signaling and Consequently Protects against Apoptotic Insults to Cerebrovascular Endothelial Cells. Journal of Cerebral Blood Flow and Metabolism, 2011, 31, 842-854.	4.3	57
68	Lipopolysaccharide induces apoptotic insults to human alveolar epithelial A549 cells through reactive oxygen species-mediated activation of an intrinsic mitochondrion-dependent pathway. Archives of Toxicology, 2011, 85, 209-218.	4.2	82
69	MOLECULAR MECHANISMS OF PROPOFOL-INVOLVED SUPPRESSION OF NO BIOSYNTHESIS AND INDUCIBLE iNOS GENE EXPRESSION IN LPS-STIMULATED MACROPHAGE-LIKE RAW 264.7 CELLS. Shock, 2010, 33, 93-100.	2.1	31
70	LIPOTEICHOIC ACID-INDUCED TNF-Î± AND IL-6 GENE EXPRESSIONS AND OXIDATIVE STRESS PRODUCTION IN MACROPHAGES ARE SUPPRESSED BY KETAMINE THROUGH DOWNREGULATING TOLL-LIKE RECEPTOR 2-MEDIATED ACTIVATION OF ERK1/2 AND NFÎºB. Shock, 2010, 33, 485-492.	2.1	62
71	Nitrosative stress induces osteoblast apoptosis through downregulating MAPK-mediated NFÎºB/AP-1 activation and subsequent Bcl-XL expression. Chemico-Biological Interactions, 2010, 184, 359-365.	4.0	14
72	GATA-3 transduces survival signals in osteoblasts through upregulation of bcl-x L gene expression. Journal of Bone and Mineral Research, 2010, 25, 2193-2204.	2.8	37

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73	Resveratrol Protects against Oxidized LDL-Induced Breakage of the Blood-Brain Barrier by Lessening Disruption of Tight Junctions and Apoptotic Insults to Mouse Cerebrovascular Endothelial Cells ,. Journal of Nutrition, 2010, 140, 2187-2192.	2.9	78
74	Mechanisms of ketamine-involved regulation of cytochrome P450 gene expression. Expert Opinion on Drug Metabolism and Toxicology, 2010, 6, 273-281.	3.3	22
75	Drynaria fortunei J. Sm. promotes osteoblast maturation by inducing differentiation-related gene expression and protecting against oxidative stress-induced apoptotic insults. Journal of Ethnopharmacology, 2010, 131, 70-77.	4.1	35
76	Cytoskeleton Interruption in Human Hepatoma HepG2 Cells Induced by Ketamine Occurs Possibly through Suppression of Calcium Mobilization and Mitochondrial Function. Drug Metabolism and Disposition, 2009, 37, 24-31.	3.3	31
77	Signal-transducing mechanisms of ketamine-caused inhibition of interleukin-1Î² gene expression in lipopolysaccharide-stimulated murine macrophage-like Raw 264.7 cells. Toxicology and Applied Pharmacology, 2009, 240, 15-25.	2.8	51
78	Propofol suppresses tumor necrosis factor-Î± biosynthesis in lipopolysaccharide-stimulated macrophages possibly through downregulation of nuclear factor-kappa B-mediated toll-like receptor 4 gene expression. Chemico-Biological Interactions, 2009, 180, 465-471.	4.0	34
79	Propofol inhibits lipoteichoic acid-induced iNOS gene expression in macrophages possibly through downregulation of toll-like receptor 2-mediated activation of Raf-MEK1/2-ERK1/2-IKK-NFÎºB. Chemico-Biological Interactions, 2009, 181, 430-439.	4.0	35
80	Runx2â€mediated bclâ€2 gene expression contributes to nitric oxide protection against hydrogen peroxideâ€induced osteoblast apoptosis. Journal of Cellular Biochemistry, 2009, 108, 1084-1093.	2.6	52
81	The epigenetic effects of amyloid-Î²1â€“40 on global DNA and neprilysin genes in murine cerebral endothelial cells. Biochemical and Biophysical Research Communications, 2009, 378, 57-61.	2.1	126
82	Suppressive effect of tobacco smoke extracts on oral P-glycoprotein function and its impact in smoke-induced insult to oral epidermal cells. Toxicology Letters, 2009, 185, 116-123.	0.8	18
83	Molecular mechanisms of lipopolysaccharide-caused induction of surfactant protein-A gene expression in human alveolar epithelial A549 cells. Toxicology Letters, 2009, 191, 132-139.	0.8	22
84	Lipopolysaccharide triggers macrophage activation of inflammatory cytokine expression, chemotaxis, phagocytosis, and oxidative ability via a toll-like receptor 4-dependent pathway: Validated by RNA interference. Toxicology Letters, 2009, 191, 195-202.	0.8	77
85	The effect of heat-moisture exchanger and closed-circuit technique on airway climate during desflurane anesthesia. Journal of Anesthesia, 2008, 22, 7-12.	1.7	5
86	Apoptotic insults to human chondrocytes induced by sodium nitroprusside are involved in sequential events, including cytoskeletal remodeling, phosphorylation of mitogenâ€activated protein kinase kinase kinaseâ€1/câ€Jun Nâ€terminal kinase, and Baxâ€Mitochondriaâ€Mediated caspase activation. Journal of Orthopaedic Research, 2008, 26, 1018-1026.	2.3	47
87	Ketamine inhibits tumor necrosis factor-Î± and interleukin-6 gene expressions in lipopolysaccharide-stimulated macrophages through suppression of toll-like receptor 4-mediated c-Jun N-terminal kinase phosphorylation and activator protein-1 activation. Toxicology and Applied Pharmacology, 2008, 228, 105-113.	2.8	98
88	Pharmacokinetics of Isoflurane in Human Blood. Pharmacology, 2008, 81, 344-349.	2.2	17
89	Nitric oxide from both exogenous and endogenous sources activates mitochondria-dependent events and induces insults to human chondrocytes. Journal of Cellular Biochemistry, 2007, 101, 1520-1531.	2.6	102
90	Pretreatment with low nitric oxide protects osteoblasts from high nitric oxide-induced apoptotic insults through regulation of c-Jun N-terminal kinase/c-Jun-mediatedBcl-2 gene expression and protein translocation. Journal of Orthopaedic Research, 2007, 25, 625-635.	2.3	47

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91	Oxidized low-density lipoprotein induces apoptotic insults to mouse cerebral endothelial cells via a Baxâ€“mitochondriaâ€“caspase protease pathway. Toxicology and Applied Pharmacology, 2007, 219, 42-53.	2.8	45
92	Nitric oxide protects osteoblasts from oxidative stress-induced apoptotic insults via a mitochondria-dependent mechanism. Journal of Orthopaedic Research, 2006, 24, 1917-1925.	2.3	46
93	Ketamine reduces nitric oxide biosynthesis in human umbilical vein endothelial cells by down-regulating endothelial nitric oxide synthase expression and intracellular calcium levels*. Critical Care Medicine, 2005, 33, 1044-1049.	0.9	88
94	Molecular mechanism of nitric oxide-induced osteoblast apoptosis. Journal of Orthopaedic Research, 2005, 23, 462-468.	2.3	70
95	Propofol Specifically Inhibits Mitochondrial Membrane Potential but Not Complex I NADH Dehydrogenase Activity, Thus Reducing Cellular ATP Biosynthesis and Migration of Macrophages. Annals of the New York Academy of Sciences, 2005, 1042, 168-176.	3.8	47
96	Anti-Inflammatory and Antioxidative Effects of Propofol on Lipopolysaccharide-Activated Macrophages. Annals of the New York Academy of Sciences, 2005, 1042, 262-271.	3.8	122
97	2,6â€Diisopropylphenol Protects Osteoblasts from Oxidative Stressâ€Induced Apoptosis through Suppression of Caspaseâ€3 Activation. Annals of the New York Academy of Sciences, 2005, 1042, 448-459.	3.8	23
98	Nitric Oxide Induces Osteoblast Apoptosis through a Mitochondriaâ€Dependent Pathway. Annals of the New York Academy of Sciences, 2005, 1042, 460-470.	3.8	35
99	Suppressive effects of ketamine on macrophage functions. Toxicology and Applied Pharmacology, 2005, 204, 27-35.	2.8	79
100	The Role of Cytochrome P450 in Herb-Drug Interactions. Current Pharmacogenomics and Personalized Medicine: the International Journal for Expert Reviews in Pharmacogenomics, 2004, 2, 209-218.	0.3	7
101	Propofol reduces nitric oxide biosynthesis in lipopolysaccharide-activated macrophages by downregulating the expression of inducible nitric oxide synthase. Archives of Toxicology, 2003, 77, 418-423.	4.2	63
102	Nitric Oxide Modulates Pro- and Anti-inflammatory Cytokines in Lipopolysaccharide-Activated Macrophages. Journal of Trauma, 2003, 55, 540-545.	2.3	61
103	Propofol Suppresses Macrophage Functions and Modulates Mitochondrial Membrane Potential and Cellular Adenosine Triphosphate Synthesis. Anesthesiology, 2003, 98, 1178-1185.	2.5	99
104	Therapeutic concentrations of propofol protects mouse macrophages from nitric oxide-induced cell death and apoptosis. Canadian Journal of Anaesthesia, 2002, 49, 477-480.	1.6	52
105	Nitric oxide induces osteoblast apoptosis through the de novo synthesis of Bax protein. Journal of Orthopaedic Research, 2002, 20, 295-302.	2.3	54
106	Propofol inhibits renal cytochrone P450 activity and enflurance defluorinationin vitro in hamsters. Canadian Journal of Anaesthesia, 2000, 47, 680-686.	1.6	8
107	Induction of cytochrome P450 1A1 in human hepatoma HepG2 cells by 6-nitrochrysene. Toxicology Letters, 2000, 117, 69-77.	0.8	13
108	Induction of cytochrome P450 1A in hamster liver and lung by 6-nitrochrysene. Archives of Toxicology, 1998, 72, 395-401.	4.2	31

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109	Induction of cytochromes P450 1A, 2B and 2E in hamster tissues by acetone. Archives of Toxicology, 1997, 71, 489-495.	4.2	12
110	Preclinical effects of CRLX101, an investigational camptothecin-containing nanoparticle drug conjugate, on treating glioblastoma multiforme via apoptosis and antiangiogenesis. Oncotarget, 0, 7, 42408-42421.	1.8	38