

Rong-Nan Huang

List of Publications by Year in descending order

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49
papers

3,314
citations

331259

21
h-index

233125

45
g-index

50
all docs

50
docs citations

50
times ranked

4430
citing authors

#	ARTICLE	IF	CITATIONS
1	Fabrication and characterization of a sponge-like asymmetric chitosan membrane as a wound dressing. <i>Biomaterials</i> , 2001, 22, 165-173.	5.7	633
2	In vitro evaluation of cytotoxicity of a naturally occurring cross-linking reagent for biological tissue fixation. <i>Journal of Biomaterials Science, Polymer Edition</i> , 1999, 10, 63-78.	1.9	423
3	Feasibility study of a natural crosslinking reagent for biological tissue fixation. , 1998, 42, 560-567.		283
4	Evaluation of gelatin hydrogel crosslinked with various crosslinking agents as bioadhesives:In vitro study. , 1999, 46, 520-530.		260
5	Stability of a biological tissue fixed with a naturally occurring crosslinking agent (genipin). <i>Journal of Biomedical Materials Research Part B</i> , 2001, 55, 538-546.	3.0	194
6	In vitro evaluation of a chitosan membrane cross-linked with genipin. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2001, 12, 835-850.	1.9	172
7	In vitro evaluation of the genotoxicity of a naturally occurring crosslinking agent (genipin) for biologic tissue fixation. <i>Journal of Biomedical Materials Research Part B</i> , 2000, 52, 58-65.	3.0	155
8	Quantitative Peptidomics Study Reveals That a Wound-Induced Peptide from PR-1 Regulates Immune Signaling in Tomato. <i>Plant Cell</i> , 2014, 26, 4135-4148.	3.1	155
9	Cellular Uptake of Trivalent Arsenite and Pentavalent Arsenate in KB Cells Cultured in Phosphate-Free Medium. <i>Toxicology and Applied Pharmacology</i> , 1996, 136, 243-249.	1.3	84
10	Metformin activation of AMPK-dependent pathways is neuroprotective in human neural stem cells against Amyloid-beta-induced mitochondrial dysfunction. <i>Experimental Cell Research</i> , 2016, 347, 322-331.	1.2	84
11	PPARgamma rescue of the mitochondrial dysfunction in Huntington's disease. <i>Neurobiology of Disease</i> , 2012, 45, 322-328.	2.1	83
12	The Apoptotic Effect of Green Tea (âˆ“)Epigallocatechin Gallate on 3T3-L1 Preadipocytes Depends on the Cdk2 Pathway. <i>Journal of Agricultural and Food Chemistry</i> , 2005, 53, 5695-5701.	2.4	77
13	Identification of Oxalic Acid and Tartaric Acid as Major Persistent Pain-inducing Toxins in the Stinging Hairs of the Nettle, <i>Urtica thunbergiana</i> . <i>Annals of Botany</i> , 2006, 98, 57-65.	1.4	58
14	In vitro surface characterization of a biological patch fixed with a naturally occurring crosslinking agent. <i>Biomaterials</i> , 2000, 21, 1353-1362.	5.7	57
15	Antibacterial activity of chitosanâ€“alginate sponges incorporating silver sulfadiazine: Effect of ladder-loop transition of interpolyelectrolyte complex and ionic crosslinking on the antibiotic release. <i>Journal of Applied Polymer Science</i> , 2005, 98, 538-549.	1.3	57
16	Identification of galectin I and thioredoxin peroxidase II as two arsenic-binding proteins in Chinese hamster ovary cells. <i>Biochemical Journal</i> , 2003, 371, 495-503.	1.7	54
17	Metformin activation of AMPK suppresses AGE-induced inflammatory response in hNSCs. <i>Experimental Cell Research</i> , 2017, 352, 75-83.	1.2	50
18	Beta-adrenoceptor pathway enhances mitochondrial function in human neural stem cells via rotary cell culture system. <i>Journal of Neuroscience Methods</i> , 2012, 207, 130-136.	1.3	40

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19	Rosiglitazone activation of PPAR β -dependent signaling is neuroprotective in mutant huntingtin expressing cells. <i>Experimental Cell Research</i> , 2015, 338, 183-193.	1.2	31
20	Phytochemical composition and larvicidal activity of essential oils from herbal plants. <i>Planta</i> , 2019, 250, 59-68.	1.6	31
21	Revisiting with a Relative-Density Calibration Approach the Determination of Growth Rates of Microorganisms by Use of Optical Density Data from Liquid Cultures. <i>Applied and Environmental Microbiology</i> , 2010, 76, 1683-1685.	1.4	26
22	Possible involvement of glutathione and p53 in trichloroethylene- and perchloroethylene-induced lipid peroxidation and apoptosis in human lung cancer cells. <i>Free Radical Biology and Medicine</i> , 2002, 33, 464-472.	1.3	23
23	Characterization of the role of proteinâ€œcysteine residues in the binding with sodium arsenite. <i>Archives of Toxicology</i> , 2012, 86, 911-922.	1.9	23
24	The effect of galectin 1 on 3T3 cell proliferation on chitosan membranes. <i>Biomaterials</i> , 2004, 25, 3603-3611.	5.7	22
25	Nanogold induces anti-inflammation against oxidative stress induced in human neural stem cells exposed to amyloid-beta peptide. <i>Neurochemistry International</i> , 2021, 145, 104992.	1.9	22
26	Arsenite efflux is inhibited by verapamil, cyclosporin A, and GSH-depleting agents in arsenite-resistant chinese hamster ovary cells. <i>Toxicology and Applied Pharmacology</i> , 1996, 141, 17-22.	1.3	19
27	Venom alkaloids of monogyne and polygyne forms of the red imported fire ant, <i>Solenopsis invicta</i> , in Taiwan. <i>Insectes Sociaux</i> , 2008, 55, 443-449.	0.7	18
28	Characterization of the Interaction of Galectin-1 with Sodium Arsenite. <i>Chemical Research in Toxicology</i> , 2006, 19, 469-474.	1.7	17
29	Nanogold Neuroprotection in Human Neural Stem Cells Against Amyloid-beta-induced Mitochondrial Dysfunction. <i>Neuroscience</i> , 2020, 435, 44-57.	1.1	17
30	An in vitro model for evaluation of vaporous toxicity of trichloroethylene and tetrachloroethylene to CHO-K1 cells. <i>Chemico-Biological Interactions</i> , 2001, 137, 139-154.	1.7	16
31	Wasabi versus red imported fire ants: preliminary test of repellency of microencapsulated allyl isothiocyanate against <i>Solenopsis invicta</i> (Hymenoptera: Formicidae) using bait traps in Taiwan. <i>Applied Entomology and Zoology</i> , 2019, 54, 193-196.	0.6	13
32	Insecticidal action of mammalian galectinâ€œ1 against diamondback moth (<i>Plutella xylostella</i>). <i>Pest Management Science</i> , 2009, 65, 923-930.	1.7	12
33	An improved bioassay facilitates the screening of repellents against cat flea, <i>Ctenocephalides felis</i> (Siphonaptera: Pulicidae). <i>Pest Management Science</i> , 2014, 70, 264-270.	1.7	12
34	The forkhead transcription factor FOXO1 stimulates the expression of the adipocyte resistin gene. <i>General and Comparative Endocrinology</i> , 2014, 196, 41-51.	0.8	12
35	Rosiglitazone rescues human neural stem cells from amyloid-beta induced ER stress via PPAR β dependent signaling. <i>Experimental Cell Research</i> , 2018, 370, 312-321.	1.2	12
36	Establishment and Social Impacts of the Red Imported Fire Ant, <i>Solenopsis invicta</i> , (Hymenoptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 5055.	1.2	12

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37	Toxicity and repellence of Taiwanese indigenous djulis, <i>Chenopodium formosaneum</i> , against <i>Aedes albopictus</i> (Diptera: Culicidae) and <i>Forcipomyia taiwana</i> (Diptera: Ceratopogonidae). <i>Journal of Pest Science</i> , 2013, 86, 705-712.	1.9	10
38	Exposure to PM2.5 induces neurotoxicity, mitochondrial dysfunction, oxidative stress and inflammation in human SH-SY5Y neuronal cells. <i>NeuroToxicology</i> , 2022, 88, 25-35.	1.4	10
39	Effect of recombinant galectin-1 on the growth of immortal rat chondrocyte on chitosan-coated PLGA scaffold. <i>Journal of Biomedical Materials Research - Part A</i> , 2010, 93A, 1482-1492.	2.1	9
40	The Insecticidal Activities of Fire Ant (Hymenoptera: Formicidae) Venoms Against <i>Plutella xylostella</i> (Lepidoptera: Plutellidae) Larvae. <i>Journal of Economic Entomology</i> , 2012, 105, 1591-1596.	0.8	9
41	The down-regulation of galectin-1 expression is a specific biomarker of arsenic toxicity. <i>Toxicology Letters</i> , 2011, 205, 38-46.	0.4	5
42	Eradication and Control Strategies for Red Imported Fire Ants (<i>Solenopsis invicta</i>) in Taiwan. <i>Sustainability</i> , 2020, 12, 3951.	1.6	3
43	TO901317 activation of LXR-dependent pathways mitigate amyloid-beta peptide-induced neurotoxicity in 3D human neural stem cell culture scaffolds and AD mice. <i>Brain Research Bulletin</i> , 2022, 178, 57-68.	1.4	3
44	Herbal plants as alternatives for the management of the red imported fire ant, <i>Solenopsis invicta</i> . <i>Journal of Applied Entomology</i> , 2022, 146, 975-989.	0.8	3
45	Arsanilic acid-Sepharose chromatography of pyruvate kinase from KB cells. <i>Biomedical Applications</i> , 2000, 740, 109-116.	1.7	2
46	Transcriptome profiling reveals the developmental regulation of NaCl-treated <i>Forcipomyia taiwana</i> eggs. <i>BMC Genomics</i> , 2021, 22, 792.	1.2	2
47	Toxicity of Terahertz-Based Functional Mineral Water (Plant-Derived) to Immature Stages of Mosquito Vectors. <i>Insects</i> , 2021, 12, 211.	1.0	1
48	Sequence composition analysis on arsenic-binding proteins in human cells. , 2010, , .		0
49	Use of a kinesin-cro Fusion Protein as the Nanoshuttle to Transport Specific DNA. <i>Current Nanoscience</i> , 2012, 8, 669-675.	0.7	0