Yu-Lin Deng

List of Publications by Year in Descending Order

81 papers	988 citations	19 h-index	27 g-index
98 ext. papers	1,327 ext. citations	4.9 avg, IF	4.54 L-index

#	Paper	IF	Citations
81	Microfluidic chip-based long-term preservation and culture of engineering bacteria for DNA damage evaluation.. *Applied Microbiology and Biotechnology*, **2022**, 106, 1663	5.7	
80	Shape-coded hydrogel microparticles integrated with hybridization chain reaction and a microfluidic chip for sensitive detection of multi-target miRNAs. *Sensors and Actuators B: Chemical*, **2022**, 361, 131741	8.5	2
79	A New Player in Depression: MiRNAs as Modulators of Altered Synaptic Plasticity.. *International Journal of Molecular Sciences*, **2022**, 23,	6.3	2
78	Fluorescent microspheres lateral flow assay integrated with Smartphone-based reader for multiple microRNAs detection. *Microchemical Journal*, **2022**, 179, 107551	4.8	0
77	Two new triterpenoid saponins from Wall. ex DC.. *Natural Product Research*, **2022**, 1-8	2.3	
76	Purification, characterization, and determination of biological activities of water-soluble polysaccharides from Mahonia bealei.. *Scientific Reports*, **2022**, 12, 8160	4.9	1
75	Activation of Focal Adhesion Kinase Restores Simulated Microgravity-Induced Inhibition of Osteoblast Differentiation via Wnt/β-Catenin Pathway. *International Journal of Molecular Sciences*, **2022**, 23, 5593	6.3	1
74	Recent advances in sensitivity enhancement for lateral flow assay. *Mikrochimica Acta*, **2021**, 188, 379	5.8	5
73	Rapid identification and structural characterization of polyoxypregnane glycosides in by HPLC-MS and HRMS. *Journal of Asian Natural Products Research*, **2021**, 23, 9-19	1.5	
72	Dragon's Blood Regulates Rac1-WAVE2-Arp2/3 Signaling Pathway to Protect Rat Intestinal Epithelial Barrier Dysfunction Induced by Simulated Microgravity. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	4
71	Deep Membrane Proteome Profiling of Rat Hippocampus in Simulated Complex Space Environment by SWATH. *Space: Science & Technology*, **2021**, 2021, 1-12		3
70	Epigenetic Regulation of Neuroinflammation in Parkinson's Disease. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	12
69	Mitochondria-targeted high-load sound-sensitive micelles for sonodynamic therapy to treat triple-negative breast cancer and inhibit metastasis. *Materials Science and Engineering C*, **2021**, 124, 112054	8.3	4
68	Rac1/Wave2/Arp3 Pathway Mediates Rat Blood-Brain Barrier Dysfunction under Simulated Microgravity Based on Proteomics Strategy. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	5
67	Investigation on P-Glycoprotein Function and Its Interacting Proteins under Simulated Microgravity. *Space: Science & Technology*, **2021**, 2021, 1-13		1
66	Synthesis of bimetallic nanoparticles loaded on to PNIPAM hybrid microgel and their catalytic activity. *Scientific Reports*, **2021**, 11, 14759	4.9	3
65	Myosin light chain kinase mediates intestinal barrier dysfunction following simulated microgravity based on proteomic strategy. *Journal of Proteomics*, **2021**, 231, 104001	3.9	4

64	Illuminating single genomic loci in live cells by reducing nuclear background fluorescence. *Science China Life Sciences*, **2021**, 64, 667-677	8.5	1
63	Exosomes and exosomal microRNA in non-targeted radiation bystander and abscopal effects in the central nervous system. *Cancer Letters*, **2021**, 499, 73-84	9.9	8
62	A review on polysaccharides from Artemisia sphaerocephala Krasch seeds, their extraction, modification, structure, and applications. *Carbohydrate Polymers*, **2021**, 252, 117113	10.3	18
61	Space: Science & Technology Promoting Academic Exchange and Exploring the Frontiers of Space. *Space: Science & Technology*, **2021**, 2021, 1-2		1
60	In silico screening and identification of deleterious missense SNPs along with their effects on CD-209 gene: An insight to CD-209 related-diseases. *PLoS ONE*, **2021**, 16, e0247249	3.7	1
59	Simulated microgravity alters the expression of plasma SSAO and its enzymatic activity in healthy rats and increases the mortality in high-fat diet/streptozotocin-induced diabetes. *Life Sciences in Space Research*, **2021**, 30, 24-28	2.4	1
58	The epigenetic mechanisms involved in mitochondrial dysfunction: Implication for Parkinson's disease. *Brain Pathology*, **2021**, e13012	6	0
57	Possible role of a dual regulator of neuroinflammation and autophagy in a simulated space environment. *Acta Astronautica*, **2021**, 187, 181-189	2.9	1
56	The microgravity enhanced polymer-mediated siRNA gene silence by improving cellular uptake. *Biophysics Reports*, **2020**, 6, 266-277	3.5	5
55	The Applications of Magnetic Particle Imaging: From Cell to Body. *Diagnostics*, **2020**, 10,	3.8	7
54	CoSinGAN: Learning COVID-19 Infection Segmentation from a Single Radiological Image. *Diagnostics*, **2020**, 10,	3.8	11
53	Label-free quantitative proteomics of rat liver exposed to simulated microgravity. *Acta Astronautica*, **2020**, 170, 251-260	2.9	2
52	Synergistic Neuroprotective Effect of Endogenously-Produced Hydroxytyrosol and Synaptic Vesicle Proteins on Pheochromocytoma Cell Line Against Salsolinol. *Molecules*, **2020**, 25,	4.8	5
51	A review on structure, extraction, and biological activities of polysaccharides isolated from Cyclocarya paliurus (Batalin) Iljinskaja. *International Journal of Biological Macromolecules*, **2020**, 156, 420-429	7.9	26
50	DR5 related autophagy can promote apoptosis in gliomas after irradiation. *Biochemical and Biophysical Research Communications*, **2020**, 522, 910-916	3.4	4
49	Investigation on Intestinal Proteins and Drug Metabolizing Enzymes in Simulated Microgravity Rats by a Proteomics Method. *Molecules*, **2020**, 25,	4.8	3
48	Survey and Evaluation of Spacecraft-Associated Aluminum-Degrading Microbes and Their Rapid Identification Methods. *Astrobiology*, **2020**, 20, 925-934	3.7	0
47	Drr4covid: Learning Automated COVID-19 Infection Segmentation From Digitally Reconstructed Radiographs. *IEEE Access*, **2020**, 8, 207736-207757	3.5	4

46	Investigation on rat intestinal homeostasis alterations induced by 7-day simulated microgravity effect based on a proteomic approach. *Acta Astronautica*, **2020**, 166, 560-566	2.9	5
45	HPLC-ESI-MS Identification and NMR Characterization of Glucosyloxybenzyl 2-Benzylmalate Deriva-Tives from and Their Anti-Liver Fibrotic Effects In Vitro. *Molecules*, **2019**, 24,	4.8	4
44	A secret that underlies Parkinson's disease: The damaging cycle. *Neurochemistry International*, **2019** , 129, 104484	4.4	11
43	Hypoglycemic activity of the extracts of Belamcanda chinensis leaves (BCLE) on KK-A mice. *Biomedicine and Pharmacotherapy*, **2019**, 110, 449-455	7.5	11
42	On the role of synthesized hydroxylated chalcones as dual functional amyloid-aggregation and ferroptosis inhibitors for potential treatment of Alzheimer's disease. *European Journal of Medicinal Chemistry*, **2019**, 166, 11-21	6.8	45
41	Specific and simultaneous detection of micro RNA 21 and let-7a by rolling circle amplification combined with lateral flow strip. *Analytica Chimica Acta*, **2019**, 1055, 115-125	6.6	33
40	Simulated microgravity inhibits cell focal adhesions leading to reduced melanoma cell proliferation and metastasis via FAK/RhoA-regulated mTORC1 and AMPK pathways. *Scientific Reports*, **2018**, 8, 3769	4.9	40
39	Changes in salsolinol production and salsolinol synthase activity in Parkinson's disease model. *Neuroscience Letters*, **2018**, 673, 39-43	3.3	7
38	Isolation and Sequencing of Salsolinol Synthase, an Enzyme Catalyzing Salsolinol Biosynthesis. *ACS Chemical Neuroscience*, **2018**, 9, 1388-1398	5.7	19
37	Aptamer-based rolling circle amplification coupled with graphene oxide-based fluorescence resonance energy transfer for sensitive detection of cardiac troponin I. *Analytical Methods*, **2018**, 10, 1767-1773	3.2	14
36	Wall.ex DC in Liver Fibrosis: Pharmacological Evaluation, Differential Proteomics, and Network Pharmacology. *Frontiers in Pharmacology*, **2018**, 9, 524	5.6	5
35	Aptamer-based fluorometric lateral flow assay for creatine kinase MB. *Mikrochimica Acta*, **2018**, 185, 364	5.8	23
34	Simulated Microgravity Reduces Focal Adhesions and Alters Cytoskeleton and Nuclear Positioning Leading to Enhanced Apoptosis via Suppressing FAK/RhoA-Mediated mTORC1/NF-B and ERK1/2 Pathways. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	32
33	Simulated Microgravity Altered the Metabolism of Loureirin B and the Expression of Major Cytochrome P450 in Liver of Rats. *Frontiers in Pharmacology*, **2018**, 9, 1130	5.6	4
32	Antibiotic discovery: combining isolation chip (iChip) technology and co-culture technique. *Applied Microbiology and Biotechnology*, **2018**, 102, 7333-7341	5.7	26
31	Biocompatibility of iron carbide and detection of metals ions signaling proteomic analysis via HPLC/ESI-Orbitrap. *Nano Research*, **2017**, 10, 1912-1923	10	21
30	Metabolic profiling of five flavonoids from Dragon's Blood in human liver microsomes using high-performance liquid chromatography coupled with high resolution mass spectrometry. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2017**, 1052, 91-102	3.2	10
29	Microvalve controlled multi-functional microfluidic chip for divisional cell co-culture. *Analytical Biochemistry*, **2017**, 539, 48-53	3.1	19

28	Cebranopadol, a Mixed Opioid Agonist, Reduces Cocaine Self-administration through Nociceptin Opioid and Mu Opioid Receptors. *Frontiers in Psychiatry*, **2017**, 8, 234	5	14
27	Using Molecular Docking Analysis to Discovery Hemsl. Potential Mechanism of Anticancer, Antidepression, and Immunoregulation. *Pharmacognosy Magazine*, **2017**, 13, 358-362	0.8	6
26	Complete mitochondrial genome of catfish Sperata seenghala (Sykes, 1839) (Siluriformes, Bagridae) from Indus River Sindh, Pakistan. *Mitochondrial DNA*, **2016**, 27, 387-8		2
25	Complete mitochondrial genome of catfish Bagarius bagarius (Hamilton, Sisoridae; Siluriformes) from Indus River Sindh, Pakistan. *Mitochondrial DNA*, **2016**, 27, 439-40		2
24	Effect of Prolonged Simulated Microgravity on Metabolic Proteins in Rat Hippocampus: Steps toward Safe Space Travel. *Journal of Proteome Research*, **2016**, 15, 29-37	5.6	23
23	Simulated Microgravity Promotes Cell Apoptosis Through Suppressing Uev1A/TICAM/TRAF/NF-B-Regulated Anti-Apoptosis and p53/PCNA- and ATM/ATR-Chk1/2-Controlled DNA-Damage Response Pathways. *Journal of Cellular Biochemistry*, **2016**, 117, 2130-40	4.7	28
22	A newly discovered neurotoxin ADTIQ associated with hyperglycemia and Parkinson's disease. *Biochemical and Biophysical Research Communications*, **2015**, 459, 361-6	3.4	22
21	Complete mitochondrial genome of the Freshwater Catfish Rita rita (Siluriformes, Bagridae). *Mitochondrial DNA*, **2015**, 26, 817-8		1
20	Effects of simulated microgravity on the expression of presynaptic proteins distorting the GABA/glutamate equilibrium--A proteomics approach. *Proteomics*, **2015**, 15, 3883-91	4.8	14
19	Glial U87 cells protect neuronal SH-SY5Y cells from indirect effect of radiation by reducing oxidative stress and apoptosis. *Acta Biochimica Et Biophysica Sinica*, **2015**, 47, 250-7	2.8	14
18	Microchip based and immunochromatographic strip assays for the visual detection of interleukin-6 and of tumor necrosis factor using gold nanoparticles as labels. *Mikrochimica Acta*, **2015**, 182, 597-604	5.8	19
17	Luteolin-loaded solid lipid nanoparticles synthesis, characterization, & improvement of bioavailability, pharmacokinetics in vitro and vivo studies. *Journal of Nanoparticle Research*, **2014**, 16, 1	2.3	52
16	Methylglyoxal increases dopamine level and leads to oxidative stress in SH-SY5Y cells. *Acta Biochimica Et Biophysica Sinica*, **2014**, 46, 950-6	2.8	12
15	Radioprotective effects of dragon's blood and its extracts on radiation-induced myelosuppressive mice. *Journal of Ethnopharmacology*, **2014**, 154, 624-34	5	13
14	Distortion of homeostatic signaling proteins by simulated microgravity in rat hypothalamus: A(16) O/(18) O-labeled comparative integrated proteomic approach. *Proteomics*, **2014**, 14, 262-73	4.8	19
13	Differential expression of specific cellular defense proteins in rat hypothalamus under simulated microgravity induced conditions: comparative proteomics. *Proteomics*, **2014**, 14, 1424-33	4.8	14
12	TRPC1 protects dopaminergic SH-SY5Y cells from MPP+, salsolinol, and N-methyl-(R)-salsolinol-induced cytotoxicity. *Acta Biochimica Et Biophysica Sinica*, **2014**, 46, 22-30	2.8	16
11	Increased levels of monoamine-derived potential neurotoxins in fetal rat brain exposed to ethanol. *Neurochemical Research*, **2013**, 38, 356-63	4.6	11

10	Alpha-synuclein overexpression induced mitochondrial damage by the generation of endogenous neurotoxins in PC12 cells. *Neuroscience Letters*, **2013**, 547, 65-9	3.3	15
9	Increased vulnerability of parkin knock down PC12 cells to hydrogen peroxide toxicity: the role of salsolinol and NM-salsolinol. *Neuroscience*, **2013**, 233, 72-85	3.9	20
8	An Overview of Endogenous Catechol-Isoquinolines and Their Related Enzymes: Possible Biomarkers for Parkinson□ Disease. *Current Translational Geriatrics and Experimental Gerontology Reports*, **2012**, 1, 59-67		4
7	Occurrence and distribution of salsolinol-like compound, 1-acetyl-6,7-dihydroxy-1,2,3,4-tetrahydroisoquinoline (ADTIQ) in parkinsonian brains. *Journal of Neural Transmission*, **2012**, 119, 435-41	4.3	30
6	Assessment of salsolinol N-methyltransferase activity in rat peripheral lymphocytes by liquid chromatography-electrospray time-of-flight mass spectrometry. *Analytical and Bioanalytical Chemistry*, **2011**, 399, 3541-5	4.4	9
5	Attenuation of Biochemical Parameters in Streptozotocin-induced Diabetic Rats by Oral Administration of Extracts and Fractions of Cephalotaxus sinensis. *Journal of Clinical Biochemistry and Nutrition*, **2008**, 42, 21-28	3.1	30
4	Iron contributes to the formation of catechol isoquinolines and oxidative toxicity induced by overdose dopamine in dopaminergic SH-SY5Y cells. *Neuroscience Bulletin*, **2008**, 24, 125-32	4.3	18
3	Determination of the (R)- and (S)-enantiomers of salsolinol and N-methylsalsolinol by use of a chiral high-performance liquid chromatographic column. *Biomedical Applications*, **1995**, 670, 47-54		49
2	Enzymatic oxidation of the dopaminergic neurotoxin, 1(R), 2(N)-dimethyl-6,7-dihydroxy-1,2,3,4-tetrahydroisoquinoline, into 1,2(N)-dimethyl-6,7-dihydroxyisoquinolinium ion. *Life Sciences*, **1995**, 57, 1061-6	6.8	44
1	Bioinspired sensor system for health care and human-machine interaction. *EcoMat*,	9.4	8