

# Dongfeng Chen

## List of Publications by Year in descending order

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108  
papers

3,008  
citations

159358

30  
h-index

205818

48  
g-index

109  
all docs

109  
docs citations

109  
times ranked

3286  
citing authors

#	ARTICLE	IF	CITATIONS
1	FTH1 Inhibits Ferroptosis Through Ferritinophagy in the 6-OHDA Model of Parkinson's Disease. <i>Neurotherapeutics</i> , 2020, 17, 1796-1812.	2.1	183
2	Antioxidant Activity and Mechanism of Protocatechuic Acid in vitro. <i>Functional Foods in Health and Disease</i> , 2011, 1, 232.	0.3	183
3	Antioxidant activity and mechanism of Rhizoma Cimicifugae. <i>Chemistry Central Journal</i> , 2012, 6, 140.	2.6	133
4	Gallic Acid Alleviates Gouty Arthritis by Inhibiting NLRP3 Inflammasome Activation and Pyroptosis Through Enhancing Nrf2 Signaling. <i>Frontiers in Immunology</i> , 2020, 11, 580593.	2.2	114
5	Purification, Characterization and Biological Activity of Polysaccharides from <i>Dendrobium officinale</i> . <i>Molecules</i> , 2016, 21, 701.	1.7	110
6	Comparison of the Antioxidant Effects of Quercitrin and Isoquercitrin: Understanding the Role of the 6-OH Group. <i>Molecules</i> , 2016, 21, 1246.	1.7	107
7	A Clostridia-rich microbiota enhances bile acid excretion in diarrhea-predominant irritable bowel syndrome. <i>Journal of Clinical Investigation</i> , 2019, 130, 438-450.	3.9	101
8	Methyltransferase 3 Mediated miRNA m6A Methylation Promotes Stress Granule Formation in the Early Stage of Acute Ischemic Stroke. <i>Frontiers in Molecular Neuroscience</i> , 2020, 13, 103.	1.4	70
9	Antioxidant Ability and Mechanism of Rhizoma <i>Atractylodes macrocephala</i> . <i>Molecules</i> , 2012, 17, 13457-13472.	1.7	69
10	Antioxidant Structure-Activity Relationship Analysis of Five Dihydrochalcones. <i>Molecules</i> , 2018, 23, 1162.	1.7	69
11	Flos <i>Chrysanthemi Indici</i> protects against hydroxyl-induced damages to DNA and MSCs via antioxidant mechanism. <i>Journal of Saudi Chemical Society</i> , 2015, 19, 454-460.	2.4	58
12	Antioxidant Mechanisms of Echinatin and Licochalcone A. <i>Molecules</i> , 2019, 24, 3.	1.7	51
13	Inhibitory Effect and Mechanism of Action of Quercetin and Quercetin Diels-Alder anti-Dimer on Erastin-Induced Ferroptosis in Bone Marrow-Derived Mesenchymal Stem Cells. <i>Antioxidants</i> , 2020, 9, 205.	2.2	51
14	Wedelolactone facilitates Ser/Thr phosphorylation of NLRP3 dependent on PKA signalling to block inflammasome activation and pyroptosis. <i>Cell Proliferation</i> , 2020, 53, e12868.	2.4	50
15	Concordance between antioxidant activities in vitro and chemical components of <i>Radix Astragali (Huangqi)</i> . <i>Natural Product Research</i> , 2012, 26, 1050-1053.	1.0	48
16	Antioxidant and Cytoprotective Effects of Tibetan Tea and Its Phenolic Components. <i>Molecules</i> , 2018, 23, 179.	1.7	48
17	Src family kinases and pulmonary fibrosis: A review. <i>Biomedicine and Pharmacotherapy</i> , 2020, 127, 110183.	2.5	48
18	Antioxidant and Cytoprotective Effects of the Di-O-Caffeoylquinic Acid Family: The Mechanism, Structure-Activity Relationship, and Conformational Effect. <i>Molecules</i> , 2018, 23, 222.	1.7	45

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19	Chrysophanol demonstrates anti-inflammatory properties in LPS-primed RAW 264.7 macrophages through activating PPAR- $\beta$ . <i>International Immunopharmacology</i> , 2018, 56, 90-97.	1.7	44
20	Maclurin protects against hydroxyl radical-induced damages to mesenchymal stem cells: Antioxidant evaluation and mechanistic insight. <i>Chemico-Biological Interactions</i> , 2014, 219, 221-228.	1.7	39
21	Effect and mechanism of wedelolactone as antioxidant-coumestan on $\text{H}_2\text{O}_2$ -treated mesenchymal stem cells. <i>Arabian Journal of Chemistry</i> , 2020, 13, 184-192.	2.3	39
22	MicroRNA-210-5p Contributes to Cognitive Impairment in Early Vascular Dementia Rat Model Through Targeting Snap25. <i>Frontiers in Molecular Neuroscience</i> , 2018, 11, 388.	1.4	38
23	Protective Effects of Dihydromyricetin against $\text{H}_2\text{O}_2$ -Induced Mesenchymal Stem Cells Damage and Mechanistic Chemistry. <i>Molecules</i> , 2016, 21, 604.	1.7	37
24	Sarcandra glabra (Caoshanhu) protects mesenchymal stem cells from oxidative stress: a bioevaluation and mechanistic chemistry. <i>BMC Complementary and Alternative Medicine</i> , 2016, 16, 423.	3.7	37
25	miR-335 promotes ferroptosis by targeting ferritin heavy chain 1 in <i>in vivo</i> and <i>in vitro</i> models of Parkinson's disease. <i>International Journal of Molecular Medicine</i> , 2021, 47, .	1.8	36
26	Protective effect of berberine against oxidative stress-induced apoptosis in rat bone marrow-derived mesenchymal stem cells. <i>Experimental and Therapeutic Medicine</i> , 2016, 12, 4041-4048.	0.8	35
27	Role of the p-Coumaroyl Moiety in the Antioxidant and Cytoprotective Effects of Flavonoid Glycosides: Comparison of Astragalin and Tiliroside. <i>Molecules</i> , 2017, 22, 1165.	1.7	35
28	The mechanism of (+) taxifolin's protective antioxidant effect for $\text{H}_2\text{O}_2$ -treated bone marrow-derived mesenchymal stem cells. <i>Cellular and Molecular Biology Letters</i> , 2017, 22, 31.	2.7	35
29	Evaluation of antioxidant activity of isoferulic acid in vitro. <i>Natural Product Communications</i> , 2011, 6, 1285-8.	0.2	35
30	miR-335 promotes stress granule formation to inhibit apoptosis by targeting ROCK2 in acute ischemic stroke. <i>International Journal of Molecular Medicine</i> , 2019, 43, 1452-1466.	1.8	34
31	$\text{Cu}^{2+}$ -Dimerization Enhances the Antioxidant Capacity of Flavonoids: Evidence from Acacetin and Isoginkgetin. <i>Molecules</i> , 2019, 24, 2039.	1.7	33
32	Evaluation of Antioxidant Activity of Isoferulic Acid in vitro. <i>Natural Product Communications</i> , 2011, 6, 1934578X1100600.	0.2	32
33	Protective Mechanism of the Antioxidant Baicalein toward Hydroxyl Radical-Treated Bone Marrow-Derived Mesenchymal Stem Cells. <i>Molecules</i> , 2018, 23, 223.	1.7	31
34	Protective Effect of Sinapine against Hydroxyl Radical-Induced Damage to Mesenchymal Stem Cells and Possible Mechanisms. <i>Chemical and Pharmaceutical Bulletin</i> , 2016, 64, 319-325.	0.6	30
35	Protective Effect Against Hydroxyl Radical-induced DNA Damage and Antioxidant Mechanism of [6]-gingerol: A Chemical Study. <i>Bulletin of the Korean Chemical Society</i> , 2014, 35, 1633-1638.	1.0	30
36	Chemical Study on Protective Effect Against Hydroxyl Radical-Induced DNA Damage and Antioxidant Mechanism of Myricitrin. <i>Journal of the Chinese Chemical Society</i> , 2014, 61, 383-390.	0.8	29

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37	Paeonol attenuates acute lung injury by inhibiting HMGB1 in lipopolysaccharide-induced shock rats. <i>International Immunopharmacology</i> , 2018, 61, 169-177.	1.7	29
38	Lyophilized aqueous extracts of Mori Fructus and Mori Ramulus protect Mesenchymal stem cells from $\text{H}_2\text{O}_2$ -treated damage: bioassay and antioxidant mechanism. <i>BMC Complementary and Alternative Medicine</i> , 2017, 17, 242.	3.7	28
39	pH Effect and Chemical Mechanisms of Antioxidant Higenamine. <i>Molecules</i> , 2018, 23, 2176.	1.7	28
40	The NSUN5-FTH1/FTL pathway mediates ferroptosis in bone marrow-derived mesenchymal stem cells. <i>Cell Death Discovery</i> , 2022, 8, 99.	2.0	27
41	Antioxidation and Cytoprotection of Acteoside and Its Derivatives: Comparison and Mechanistic Chemistry. <i>Molecules</i> , 2018, 23, 498.	1.7	25
42	Dual Effect of Glucuronidation of a Pyrogallol-type Phytophenol Antioxidant: A Comparison between Scutellarein and Scutellarin. <i>Molecules</i> , 2018, 23, 3225.	1.7	24
43	Paeonol attenuates inflammation by targeting HMGB1 through upregulating miR-339-5p. <i>Scientific Reports</i> , 2019, 9, 19370.	1.6	23
44	Amentoflavone Protects against Hydroxyl Radical-induced DNA Damage via Antioxidant Mechanism. <i>Turkish Journal of Biochemistry</i> , 2014, 39, 30-36.	0.3	21
45	Moxibustion Exerts a Neuroprotective Effect through Antiferroptosis in Parkinson's Disease. <i>Evidence-based Complementary and Alternative Medicine</i> , 2019, 2019, 1-10.	0.5	21
46	Simultaneous Study of Anti-Ferroptosis and Antioxidant Mechanisms of Butein and (S)-Butin. <i>Molecules</i> , 2020, 25, 674.	1.7	21
47	XingNaoJing, prescription of traditional Chinese medicine, prevents autophagy in experimental stroke by repressing p53-DRAM pathway. <i>BMC Complementary and Alternative Medicine</i> , 2015, 15, 377.	3.7	20
48	A Null B-Ring Improves the Antioxidant Levels of Flavonol: A Comparative Study between Galangin and 3,5,7-Trihydroxychromone. <i>Molecules</i> , 2018, 23, 3083.	1.7	20
49	Effect of Double Bond Position on 2-Phenyl-benzofuran Antioxidants: A Comparative Study of Moracin C and Iso-Moracin C. <i>Molecules</i> , 2018, 23, 754.	1.7	20
50	Antioxidant and Cytoprotective Effects of Kukoamines A and B: Comparison and Positional Isomeric Effect. <i>Molecules</i> , 2018, 23, 973.	1.7	20
51	Profiling the miRNA-mRNA-lncRNA interaction network in MSC osteoblast differentiation induced by (+)-cholesten-3-one. <i>BMC Genomics</i> , 2018, 19, 783.	1.2	19
52	$\text{Fe}^{2+}$ Conjugation Enhances Oligostilbene's Antioxidant Capacity: Evidence from $\text{H}_2\text{O}_2$ -Viniferin and Caraphenol A. <i>Molecules</i> , 2018, 23, 694.	1.7	19
53	Comparative Analysis of Radical Adduct Formation (RAF) Products and Antioxidant Pathways between Myricetin-3-O-Galactoside and Myricetin Aglycone. <i>Molecules</i> , 2019, 24, 2769.	1.7	18
54	Rhein attenuates lipopolysaccharide-primed inflammation through NF- $\kappa$ B inhibition in RAW264.7 cells: targeting the PPAR- $\beta$ signal pathway. <i>Canadian Journal of Physiology and Pharmacology</i> , 2020, 98, 357-365.	0.7	18

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55	Cyasterone accelerates fracture healing by promoting MSCs migration and osteogenesis. <i>Journal of Orthopaedic Translation</i> , 2021, 28, 28-38.	1.9	18
56	Super-enhancer-driven Sorting Nexin 5 expression promotes dopaminergic neuronal ferroptosis in Parkinson's disease models. <i>Biochemical and Biophysical Research Communications</i> , 2021, 567, 35-41.	1.0	18
57	Paeonol Inhibits Lipopolysaccharide-Induced HMGB1 Translocation from the Nucleus to the Cytoplasm in RAW264.7 Cells. <i>Inflammation</i> , 2016, 39, 1177-87.	1.7	17
58	Histone deacetylase-high mobility group box-1 pathway targeted by hypaconitine suppresses the apoptosis of endothelial cells. <i>Experimental Biology and Medicine</i> , 2017, 242, 527-535.	1.1	16
59	miR-339-5p negatively regulates loureirin A-induced hair follicle stem cell differentiation by targeting DLX5. <i>Molecular Medicine Reports</i> , 2018, 18, 1279-1286.	1.1	16
60	Antioxidant and Cytoprotective effects of <i>Pyrola decorata</i> H. Andres and its five phenolic components. <i>BMC Complementary and Alternative Medicine</i> , 2019, 19, 275.	3.7	16
61	miR-488 negatively regulates osteogenic differentiation of bone marrow mesenchymal stem cells induced by psoralen by targeting Runx2. <i>Molecular Medicine Reports</i> , 2019, 20, 3746-3754.	1.1	16
62	2-Phenyl-4,4,5,5-tetramethylimidazoline-1-oxyl 3-oxide Radical (PTIO) Trapping Activity and Mechanisms of 16 Phenolic Xanthenes. <i>Molecules</i> , 2018, 23, 1692.	1.7	15
63	Antioxidant Change in Biosynthesis from Naringenin Chalcone to Flavonoid Apigenin. <i>ChemistrySelect</i> , 2019, 4, 5155-5159.	0.7	15
64	Protective Effect against Hydroxyl-induced DNA Damage and Antioxidant Activity of <i>Radix Glycyrrhizae</i> (Licorice Root). <i>Advanced Pharmaceutical Bulletin</i> , 2013, 3, 167-73.	0.6	15
65	Two phenolic antioxidants in Suoyang enhance viability of H <sub>2</sub> O <sub>2</sub> -damaged mesenchymal stem cells: comparison and mechanistic chemistry. <i>Chemistry Central Journal</i> , 2017, 11, 84.	2.6	13
66	E-Configuration Improves Antioxidant and Cytoprotective Capacities of Resveratrols. <i>Molecules</i> , 2018, 23, 1790.	1.7	13
67	RNA Binding Protein Motif 3 Inhibits Oxygen-Glucose Deprivation/Reoxygenation-Induced Apoptosis Through Promoting Stress Granules Formation in PC12 Cells and Rat Primary Cortical Neurons. <i>Frontiers in Cellular Neuroscience</i> , 2020, 14, 559384.	1.8	13
68	Nsun4 and Mettl3 mediated translational reprogramming of Sox9 promotes BMSC chondrogenic differentiation. <i>Communications Biology</i> , 2022, 5, .	2.0	13
69	miR-203a-3p promotes loureirin A-induced hair follicle stem cells differentiation by targeting Smad1. <i>Anatomical Record</i> , 2021, 304, 531-540.	0.8	12
70	Structure-Activity Relationship and Prediction of the Electron-Transfer Potential of the Xanthenes Series. <i>ChemistryOpen</i> , 2018, 7, 730-736.	0.9	10
71	miR-134-5p/Foxp2/Syn1 is involved in cognitive impairment in an early vascular dementia rat model. <i>International Journal of Molecular Medicine</i> , 2019, 44, 1729-1740.	1.8	10
72	Stearic acid methyl ester promotes migration of mesenchymal stem cells and accelerates cartilage defect repair. <i>Journal of Orthopaedic Translation</i> , 2020, 22, 81-91.	1.9	10

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73	Effects of Natural Chalcone-Tannin Hybrids Protecting Mesenchymal Stem Cells against ROS-mediated Oxidative Damage and Indexes for Antioxidant Mechanisms. <i>Chemistry Letters</i> , 2016, 45, 743-745.	0.7	9
74	Antioxidant product analysis of <i>Folium Hibisci Mutabilis</i> . <i>Journal of Saudi Chemical Society</i> , 2021, 25, 101272.	2.4	9
75	Protective effect of <i>plastrum testudinis</i> extract on dopaminergic neurons in a Parkinson's disease model through DNMT1 nuclear translocation and SNCA's methylation. <i>Biomedicine and Pharmacotherapy</i> , 2021, 141, 111832.	2.5	9
76	Protective Effect against Hydroxyl-induced DNA Damage and Antioxidant Activity of <i>Citri reticulatae</i> <i>Pericarpium</i> . <i>Advanced Pharmaceutical Bulletin</i> , 2013, 3, 175-81.	0.6	9
77	<i>Folium Sennae</i> protects against hydroxyl radical-induced DNA damage via antioxidant mechanism: an in vitro study. , 2014, 55, 16.		8
78	Paeonol Reduces the Nucleocytoplasmic Transportation of HMGB1 by Upregulating HDAC3 in LPS-Induced RAW264.7 Cells. <i>Inflammation</i> , 2018, 41, 1536-1545.	1.7	8
79	Potential Role of Traditional Chinese Medicines by Wnt/ $\beta^2$ -Catenin Pathway Compared With Targeted Small Molecules in Colorectal Cancer Therapy. <i>Frontiers in Pharmacology</i> , 2021, 12, 690501.	1.6	8
80	Steric Effect of Antioxidant Diels-Alder-Type Adducts: A Comparison of Sanggenon C with Sanggenon D. <i>Molecules</i> , 2018, 23, 2610.	1.7	7
81	Comparison of Ferroptosis-Inhibitory Mechanisms between Ferrostatin-1 and Dietary Stilbenes (Piceatannol and Astringin). <i>Molecules</i> , 2021, 26, 1092.	1.7	7
82	The effect of pro/synbiotics on postoperative infections in colorectal cancer patients: A systematic review and meta-analysis. <i>Complementary Therapies in Clinical Practice</i> , 2021, 43, 101370.	0.7	7
83	Antioxidant product analysis of <i>Hulu Tea</i> ( <i>Tadehagi triquetrum</i> ). <i>New Journal of Chemistry</i> , 2021, 45, 20257-20265.	1.4	7
84	MiR-351 negatively regulates osteoblast differentiation of MSCs induced by (+)-cholesten-3-one through targeting VDR. <i>American Journal of Translational Research (discontinued)</i> , 2017, 9, 4963-4973.	0.0	7
85	Mechanistic Chemistry of Extraordinary Capacity of Salvianolic Acid B on Oxidatively Damaged Mesenchymal Stem Cells. <i>Journal of the Chinese Chemical Society</i> , 2016, 63, 924-929.	0.8	6
86	MicroRNA-125a-3p is involved in early behavioral disorders in stroke-afflicted rats through the regulation of Cadm2. <i>International Journal of Molecular Medicine</i> , 2017, 40, 1851-1859.	1.8	6
87	(+)-4-Cholesten-3-one promotes differentiation of neural stem cells into dopaminergic neurons through TET1 and FoxA2. <i>Neuroscience Letters</i> , 2020, 735, 135239.	1.0	6
88	Structure-activity relationship and mechanism of four monostilbenes with respect to ferroptosis inhibition. <i>RSC Advances</i> , 2020, 10, 31171-31179.	1.7	6
89	Moxibustion Protects Dopaminergic Neurons in Parkinson's Disease through Antiferroptosis. <i>Evidence-based Complementary and Alternative Medicine</i> , 2021, 2021, 1-11.	0.5	6
90	Advances in cell death - related signaling pathways in acute-on-chronic liver failure. <i>Clinics and Research in Hepatology and Gastroenterology</i> , 2022, 46, 101783.	0.7	6

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91	Ferroptosis-Inhibitory Difference between Chebulagic Acid and Chebulinic Acid Indicates Beneficial Role of HHDP. <i>Molecules</i> , 2021, 26, 4300.	1.7	6
92	Effects of Aerobic Exercise and Mind-Body Exercise in Parkinson's Disease: A Mixed-Treatment Comparison Analysis. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 739115.	1.7	6
93	Experimental Models of Cognitive Impairment for Use in Parkinson's Disease Research: The Distance Between Reality and Ideal. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 745438.	1.7	5
94	<i>Herba Ecliptae</i> Protects against Hydroxyl Radical-Induced Damages to DNA and Mesenchymal Stem Cells via Antioxidant Mechanism. <i>Journal of the Chinese Chemical Society</i> , 2014, 61, 1161-1167.	0.8	4
95	MiR-539-5p negatively regulates migration of rMSCs induced by Bushen Huoxue decoction through targeting Wnt5a. <i>International Journal of Medical Sciences</i> , 2019, 16, 998-1006.	1.1	4
96	TET2-Mediated Spatiotemporal Changes of 5-Hydroxymethylcytosine During Organogenesis in the Late Mouse Fetus. <i>Anatomical Record</i> , 2019, 302, 954-963.	0.8	4
97	Ferroptosis-Inhibitory Effect and Possible Mechanisms of Ellagitannin Geraniin. <i>ChemistryOpen</i> , 2021, 10, 737-739.	0.9	4
98	miR-330-5p inhibits H <sub>2</sub> O <sub>2</sub> -induced adipogenic differentiation of MSCs by regulating RXR $\beta$ . <i>International Journal of Molecular Medicine</i> , 2018, 42, 2042-2052.	1.8	3
99	Tannic Acid as a Natural Ferroptosis Inhibitor: Mechanisms and Beneficial Role of Galloylation. <i>ChemistrySelect</i> , 2021, 6, 1562-1569.	0.7	3
100	Maclurin Promotes the Chondrogenic Differentiation of Bone Marrow Mesenchymal Stem Cells by Regulating miR-203a-3p/Smad1. <i>Cellular Reprogramming</i> , 2022, 24, 9-20.	0.5	3
101	<i>Atractylodes lancea</i> volatile oils target ADAR2-miR-181a signaling to mesenchymal stem cell chondrogenic differentiation. <i>Anatomical Record</i> , 2022, , .	0.8	3
102	Sorting Nexin 5 Plays an Important Role in Promoting Ferroptosis in Parkinson's Disease. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-9.	1.9	3
103	Effect of fatty acid methyl esters from <i>plastrum testudinis</i> on proliferation of rat bone mesenchymal stem cells. <i>Frontiers of Chemistry in China: Selected Publications From Chinese Universities</i> , 2008, 3, 262-266.	0.4	1
104	Nitric Oxide (NO) as Antioxidant Protects HT22 Cells and Biomolecules against Fenton's Reagent-Induced Damages via Multiple Pathways. <i>ChemistrySelect</i> , 2016, 1, 585-589.	0.7	1
105	<i>Plastrum Testudinis</i> Extracts Promote NSC Differentiation into Dopaminergic Neuron by Regulating the Interaction of TET1 and FoxA2. <i>Evidence-based Complementary and Alternative Medicine</i> , 2020, 2020, 1-13.	0.5	1
106	Cytoprotective effects of spleen-invigorating pill against 5-fluorouracil injury to mouse bone marrow stromal cells. <i>Journal of Ethnopharmacology</i> , 2021, 280, 114397.	2.0	1
107	The Comparative Efficacy of Non-ergot Dopamine Agonist and Potential Risk Factors for Motor Complications and Side Effects From NEDA Use in Early Parkinson's Disease: Evidence From Clinical Trials. <i>Frontiers in Aging Neuroscience</i> , 2022, 14, 831884.	1.7	1
108	Integrated Bioinformatics Analysis of Potential mRNA and miRNA Regulatory Networks in Mice With Ischemic Stroke Treated by Electroacupuncture. <i>Frontiers in Neurology</i> , 2021, 12, 719354.	1.1	0