

Wen Huang

List of Publications by Year in descending order

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82
papers

1,815
citations

257101

24
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315357

38
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85
all docs

85
docs citations

85
times ranked

2174
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Anti-thrombosis effect of diosgenin extract from <i>Dioscorea zingiberensis</i> C.H. Wright in vitro and in vivo. <i>Phytomedicine</i> , 2011, 18, 458-463. | 2.3 | 98 |
| 2 | Acute toxicity and sub-chronic toxicity of steroidal saponins from <i>Dioscorea zingiberensis</i> C.H.Wright in rodents. <i>Journal of Ethnopharmacology</i> , 2009, 126, 543-550. | 2.0 | 92 |
| 3 | Rutin inhibits hydrogen peroxide-induced apoptosis through regulating reactive oxygen species mediated mitochondrial dysfunction pathway in human umbilical vein endothelial cells. <i>European Journal of Pharmacology</i> , 2010, 628, 27-35. | 1.7 | 92 |
| 4 | Metformin Uniquely Prevents Thrombosis by Inhibiting Platelet Activation and mtDNA Release. <i>Scientific Reports</i> , 2016, 6, 36222. | 1.6 | 91 |
| 5 | Protective effects of diosgenin in the hyperlipidemic rat model and in human vascular endothelial cells against hydrogen peroxide-induced apoptosis. <i>Chemico-Biological Interactions</i> , 2010, 184, 366-375. | 1.7 | 87 |
| 6 | Oxidative stress mediated by lipid metabolism contributes to high glucose-induced senescence in retinal pigment epithelium. <i>Free Radical Biology and Medicine</i> , 2019, 130, 48-58. | 1.3 | 65 |
| 7 | The best utilization of <i>D. zingiberensis</i> C.H. Wright by an eco-friendly process. <i>Bioresource Technology</i> , 2008, 99, 7407-7411. | 4.8 | 56 |
| 8 | Cytotoxicity and apoptosis-inducing effect of steroidal saponins from <i>Dioscorea zingiberensis</i> Wright against cancer cells. <i>Steroids</i> , 2012, 77, 1219-1227. | 0.8 | 53 |
| 9 | Magnolol Protects Against Oxidative Stress-Mediated Neural Cell Damage by Modulating Mitochondrial Dysfunction and PI3K/Akt Signaling. <i>Journal of Molecular Neuroscience</i> , 2013, 50, 469-481. | 1.1 | 52 |
| 10 | Four Types of CdTe Magic-Size Clusters from One Prenucleation Stage Sample at Room Temperature. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 4345-4353. | 2.1 | 44 |
| 11 | Biosynthesis of valonia tannin hydrolase and hydrolysis of valonia tannin to ellagic acid by <i>Aspergillus SHL 6</i> . <i>Process Biochemistry</i> , 2005, 40, 1245-1249. | 1.8 | 43 |
| 12 | Anti-thrombosis effect of diosgenyl saponins in vitro and in vivo. <i>Steroids</i> , 2013, 78, 1064-1070. | 0.8 | 40 |
| 13 | The diosgenin prodrug nanoparticles with pH-responsive as a drug delivery system uniquely prevents thrombosis without increased bleeding risk. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018, 14, 673-684. | 1.7 | 38 |
| 14 | Xanthohumol isolated from <i>Humulus lupulus</i> prevents thrombosis without increased bleeding risk by inhibiting platelet activation and mtDNA release. <i>Free Radical Biology and Medicine</i> , 2017, 108, 247-257. | 1.3 | 35 |
| 15 | d-galactose induces premature senescence of lens epithelial cells by disturbing autophagy flux and mitochondrial functions. <i>Toxicology Letters</i> , 2018, 289, 99-106. | 0.4 | 35 |
| 16 | Fragmentation of Magic-Size Cluster Precursor Compounds into Ultrasmall CdS Quantum Dots with Enhanced Particle Yield at Low Temperatures. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 12013-12021. | 7.2 | 33 |
| 17 | Synthesis, characterization and biological studies of diosgenyl analogues. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 7330-7334. | 1.0 | 32 |
| 18 | Chlorinated emodin as a natural antibacterial agent against drug-resistant bacteria through dual influence on bacterial cell membranes and DNA. <i>Scientific Reports</i> , 2017, 7, 12721. | 1.6 | 32 |

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|----|---|-----|-----------|
| 19 | Transformation of ZnS Precursor Compounds to Magic-Size Clusters Exhibiting Optical Absorption Peaking at 269 nm. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 75-82. | 2.1 | 32 |
| 20 | Self-Assembled Metal-Phenolic Nanoparticles for Enhanced Synergistic Combination Therapy against Colon Cancer. <i>Advanced Biology</i> , 2019, 3, e1800241. | 3.0 | 30 |
| 21 | Deltonin, a Steroidal Saponin, Inhibits Colon Cancer Cell Growth &in Vitro& and Tumor Growth &in Vivo& via Induction of Apoptosis and Antiangiogenesis. <i>Cellular Physiology and Biochemistry</i> , 2011, 27, 233-242. | 1.1 | 29 |
| 22 | Production of diosgenin from yellow ginger (<i>Dioscorea zingiberensis</i> C. H. Wright) saponins by commercial cellulase. <i>World Journal of Microbiology and Biotechnology</i> , 2010, 26, 1171-1180. | 1.7 | 28 |
| 23 | Ellagic acid from acorn fringe by enzymatic hydrolysis and combined effects of operational variables and enzymes on yield of the production. <i>Bioresource Technology</i> , 2008, 99, 1518-1525. | 4.8 | 27 |
| 24 | Optimization of ellagic acid production from ellagitannins by co-culture and correlation between its yield and activities of relevant enzymes. <i>Bioresource Technology</i> , 2008, 99, 769-775. | 4.8 | 25 |
| 25 | Deltonin Isolated from <i>Dioscorea zingiberensis</i> Inhibits Cancer Cell Growth through Inducing Mitochondrial Apoptosis and Suppressing Akt and Mitogen Activated Protein Kinase Signals. <i>Biological and Pharmaceutical Bulletin</i> , 2011, 34, 1231-1239. | 0.6 | 25 |
| 26 | Dihydrodiosgenin protects against experimental acute pancreatitis and associated lung injury through mitochondrial protection and $\text{PI3K}/\text{Akt}$ inhibition. <i>British Journal of Pharmacology</i> , 2018, 175, 1621-1636. | 2.7 | 25 |
| 27 | One-Step Approach to Single-Ensemble CdS Magic-Size Clusters with Enhanced Production Yields. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 2725-2732. | 2.1 | 25 |
| 28 | A novel β -glucosidase from <i>Aspergillus fumigatus</i> releases diosgenin from spirostanosides of <i>Dioscorea zingiberensis</i> C. H. Wright (DZW). <i>World Journal of Microbiology and Biotechnology</i> , 2012, 28, 1309-1314. | 1.7 | 24 |
| 29 | Photoluminescent Colloidal Nanohelices Self-Assembled from CdSe Magic-Size Clusters via Nanoplatelets. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 2794-2801. | 2.1 | 24 |
| 30 | Piezo1 initiates platelet hyperreactivity and accelerates thrombosis in hypertension. <i>Journal of Thrombosis and Haemostasis</i> , 2021, 19, 3113-3125. | 1.9 | 24 |
| 31 | pH-Responsive nanoparticles based on ibuprofen prodrug as drug carriers for inhibition of primary tumor growth and metastasis. <i>Journal of Materials Chemistry B</i> , 2017, 5, 6860-6868. | 2.9 | 23 |
| 32 | Room-Temperature Formation Pathway for CdTeSe Alloy Magic-Size Clusters. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 16943-16952. | 7.2 | 22 |
| 33 | Ultrasonic and fermented pretreatment technology for diosgenin production from <i>Dioscorea zingiberensis</i> C.H. Wright. <i>Chemical Engineering Research and Design</i> , 2011, 89, 239-247. | 2.7 | 21 |
| 34 | Preventive effect of a novel diosgenin derivative on arterial and venous thrombosis in vivo. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 3364-3369. | 1.0 | 21 |
| 35 | Room-temperature formation of CdS magic-size clusters in aqueous solutions assisted by primary amines. <i>Nature Communications</i> , 2020, 11, 4199. | 5.8 | 21 |
| 36 | Evolution of CdTe Magic-Size Clusters with Single Absorption Doublet Assisted by Adding Small Molecules during Prenucleation. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 2230-2240. | 2.1 | 21 |

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|----|---|-----|-----------|
| 37 | Properties and secondary structure of tannase from <i>Penicillium herquei</i> . <i>Biotechnology and Bioprocess Engineering</i> , 2011, 16, 858-866. | 1.4 | 17 |
| 38 | Ophthalmic Drops with Nanoparticles Derived from a Natural Product for Treating Age-Related Macular Degeneration. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 57710-57720. | 4.0 | 15 |
| 39 | Adiponectin ameliorates the apoptotic effects of paraquat on alveolar type II cells via improvements in mitochondrial function. <i>Molecular Medicine Reports</i> , 2016, 14, 746-752. | 1.1 | 14 |
| 40 | A Real-Time In Situ Demonstration of Direct and Indirect Transformation Pathways in CdTe Magic-Size Clusters at Room Temperature. <i>Angewandte Chemie - International Edition</i> , 2022, 61, . | 7.2 | 14 |
| 41 | Robinetinidol-(4 β)-epigallocatechin 3-O-gallate, A Galloyl Dimer Prorobinetinidin From <i>Acacia Mearnsii</i> De Wild, Effectively Protects Human Neuroblastoma SH-SY5Y Cells Against Acrolein-Induced Oxidative Damage. <i>Journal of Alzheimer's Disease</i> , 2010, 21, 493-506. | 1.2 | 13 |
| 42 | 9,10-Dihydrophenanthrene derivatives and one 1,4-anthraquinone firstly isolated from <i>Dioscorea zingiberensis</i> C. H. Wright and their biological activities. <i>FÄ-toterapÄ-t</i> , 2016, 109, 20-24. | 1.1 | 13 |
| 43 | Fragmentation of Magic-Size Cluster Precursor Compounds into Ultrasmall CdS Quantum Dots with Enhanced Particle Yield at Low Temperatures. <i>Angewandte Chemie</i> , 2020, 132, 12111-12119. | 1.6 | 13 |
| 44 | Study on the antibacterial activities of emodin derivatives against clinical drug-resistant bacterial strains and their interaction with proteins. <i>Annals of Translational Medicine</i> , 2020, 8, 92-92. | 0.7 | 13 |
| 45 | STING up-regulates VEGF expression in oxidative stress-induced senescence of retinal pigment epithelium via NF- κ B/HIF-1 α pathway. <i>Life Sciences</i> , 2022, 293, 120089. | 2.0 | 13 |
| 46 | Novel polyacetylenes from <i>Coreopsis tinctoria</i> Nutt.. <i>Journal of Asian Natural Products Research</i> , 2015, 17, 744-749. | 0.7 | 12 |
| 47 | Eriodictyol 7-O- β -D glucopyranoside from <i>Coreopsis tinctoria</i> Nutt. ameliorates lipid disorders via protecting mitochondrial function and suppressing lipogenesis. <i>Molecular Medicine Reports</i> , 2017, 16, 1298-1306. | 1.1 | 12 |
| 48 | Activation of TLR4 induces severe acute pancreatitis-associated spleen injury via ROS-disrupted mitophagy pathway. <i>Molecular Immunology</i> , 2022, 142, 63-75. | 1.0 | 12 |
| 49 | Synthesis, characterization, and biological studies of diosgenyl analogs. <i>Journal of Asian Natural Products Research</i> , 2017, 19, 272-298. | 0.7 | 11 |
| 50 | Novel potent antiplatelet thrombotic agent derived from biguanide for ischemic stroke. <i>European Journal of Medicinal Chemistry</i> , 2020, 200, 112462. | 2.6 | 11 |
| 51 | Mitochondria targeting and near-infrared fluorescence imaging of a novel heptamethine cyanine anticancer agent. <i>Molecular Medicine Reports</i> , 2017, 15, 3761-3766. | 1.1 | 10 |
| 52 | <p>Dihydrodiosgenin inhibits endothelial cell-derived factor VIII and platelet-mediated hepatocellular carcinoma metastasis</p>. <i>Cancer Management and Research</i> , 2019, Volume 11, 4871-4882. | 0.9 | 10 |
| 53 | <p>A pH-Sensitive Prodrug Nanocarrier Based on Diosgenin for Doxorubicin Delivery to Efficiently Inhibit Tumor Metastasis</p>. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 6545-6560. | 3.3 | 10 |
| 54 | Transformation Pathways in Colloidal CdTeSe Magic-Size Clusters. <i>Angewandte Chemie - International Edition</i> , 2022, 61, . | 7.2 | 10 |

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|----|---|-----|-----------|
| 55 | Deoxyarbutin displays antitumour activity against melanoma in vitro and in vivo through a p38-mediated mitochondria associated apoptotic pathway. <i>Scientific Reports</i> , 2017, 7, 7197. | 1.6 | 9 |
| 56 | CdS magic-size clusters exhibiting one sharp ultraviolet absorption singlet peaking at 361 nm. <i>Nano Research</i> , 2019, 12, 1437-1444. | 5.8 | 9 |
| 57 | Adiponectin inhibits cardiac arrest/cardiopulmonary resuscitation-induced apoptosis in brain by increasing autophagy involved in AdipoR1-AMPK signaling. <i>Molecular Medicine Reports</i> , 2020, 22, 870-878. | 1.1 | 9 |
| 58 | Vitamin B12 Attenuates Acute Pancreatitis by Suppressing Oxidative Stress and Improving Mitochondria Dysfunction via CBS/SIRT1 Pathway. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-13. | 1.9 | 9 |
| 59 | Entecavir as a P2X7R antagonist ameliorates platelet activation and thrombus formation. <i>Journal of Pharmacological Sciences</i> , 2020, 144, 43-51. | 1.1 | 8 |
| 60 | Dehydrocholic Acid Ameliorates Sodium Taurocholate-Induced Acute Biliary Pancreatitis in Mice. <i>Biological and Pharmaceutical Bulletin</i> , 2020, 43, 985-993. | 0.6 | 8 |
| 61 | Drug D, a Diosgenin Derive, Inhibits L-Arginine-Induced Acute Pancreatitis through Meditating GSDMD in the Endoplasmic Reticulum via the TXNIP/HIF-1 β Pathway. <i>Nutrients</i> , 2022, 14, 2591. | 1.7 | 8 |
| 62 | Utilization of acorn fringe for ellagic acid production by <i>Aspergillus oryzae</i> and <i>Endomyces fibuliger</i> . <i>Bioresource Technology</i> , 2008, 99, 3552-3558. | 4.8 | 7 |
| 63 | One compound of saponins from <i>Disocorea zingiberensis</i> protected against experimental acute pancreatitis by preventing mitochondria-mediated necrosis. <i>Scientific Reports</i> , 2016, 6, 35965. | 1.6 | 7 |
| 64 | Determination of Tertiary- <i>n</i> -butylhydroquinone and Its Metabolites in Rat Serum by Liquid Chromatography-Ion Trap Mass Spectrometry. <i>Lipids</i> , 2008, 43, 281-288. | 0.7 | 6 |
| 65 | Hydroquinone analog 4-[(Tetrahydro-2H-pyran-2-yl) oxy] phenol induces C26 colon cancer cell apoptosis and inhibits tumor growth in vivo. <i>Molecular Medicine Reports</i> , 2015, 11, 4671-4677. | 1.1 | 6 |
| 66 | Room-Temperature Formation Pathway for CdTeSe Alloy Magic-Size Clusters. <i>Angewandte Chemie</i> , 2020, 132, 17091-17100. | 1.6 | 6 |
| 67 | Evolution of Two Types of ZnTe Magic-Size Clusters Displaying Sharp Doublets in Optical Absorption. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 4762-4768. | 2.1 | 6 |
| 68 | A stochastic model for initial movement of sand grains by wind. <i>Earth Surface Processes and Landforms</i> , 2008, 33, 1796-1803. | 1.2 | 4 |
| 69 | Supramolecular prodrug micelles based on the complementary multiple hydrogen bonds as drug delivery platform for thrombosis therapy. <i>RSC Advances</i> , 2016, 6, 62478-62484. | 1.7 | 4 |
| 70 | Identifying Clusters and/or Small-Size Quantum Dots in Colloidal CdSe Ensembles with Optical Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 6399-6408. | 2.1 | 4 |
| 71 | Metabolic Kinetics of <i>tert-n</i> -butylhydroquinone and Its Metabolites in Rat Serum after Oral Administration by LC/ITMS. <i>Lipids</i> , 2008, 43, 757-763. | 0.7 | 3 |
| 72 | Robinetinidol-flavone attenuates cholesterol synthesis in hepatoma cells via inhibition of 3-hydroxy-3-methylglutaryl-coenzyme A reductase. <i>Molecular Medicine Reports</i> , 2015, 11, 561-566. | 1.1 | 3 |

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|----|--|-----|-----------|
| 73 | Self-Assembly: Targeted Therapy against Metastatic Melanoma Based on Self-Assembled Metal-Phenolic Nanocomplexes Comprised of Green Tea Catechin (Adv. Sci. 5/2019). Advanced Science, 2019, 6, 1970028. | 5.6 | 2 |
| 74 | Evolution of Photoluminescent CdS Magic-Size Clusters Assisted by Adding Small Molecules with Carboxylic Group. ACS Omega, 2021, 6, 14458-14466. | 1.6 | 2 |
| 75 | Transformation Pathways in Colloidal CdTeSe Magic-Size Clusters. Angewandte Chemie, 0, , . | 1.6 | 2 |
| 76 | Tuftsins ameliorates splenic inflammatory injury by promoting neuropilin-1 in severe acute pancreatitis. Biochemical Pharmacology, 2022, 199, 115030. | 2.0 | 2 |
| 77 | Metal-Phenolic Nanoparticles: Self-Assembled Metal-Phenolic Nanoparticles for Enhanced Synergistic Combination Therapy against Colon Cancer (Adv. Biosys. 2/2019). Advanced Biology, 2019, 3, 1970022. | 3.0 | 1 |
| 78 | Memory-like response in platelet attenuates platelet hyperactivation in arterial thrombosis. Biochemical and Biophysical Research Communications, 2022, 612, 154-161. | 1.0 | 1 |
| 79 | Real-Time In-situ Demonstration of Direct and Indirect Transformation Pathways in CdTe Magic-Size Clusters at Room Temperature. Angewandte Chemie, 0, , . | 1.6 | 1 |
| 80 | Process for Manufacturing Multi-Functional Nano-TiO ₂ Composite Powder. Advanced Materials Research, 2012, 528, 64-70. | 0.3 | 0 |
| 81 | Distribution and effect of steroidal saponin derivative WRC3 in B16 melanoma cells. Molecular Medicine Reports, 2015, 12, 6019-6024. | 1.1 | 0 |
| 82 | Innenteilbild: Room-Temperature Formation Pathway for CdTeSe Alloy Magic-Size Clusters (Angew.) Tj ETQq0 0 0 rgBT /Overlock 10 | 1.6 | 0 |