

Xin Dong

List of Publications by Year in descending order

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Version: 2024-02-01

62
papers

1,465
citations

304602

22
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377752

34
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docs citations

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times ranked

2330
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Metabonomic Profiles Delineate the Effect of Traditional Chinese Medicine Sini Decoction on Myocardial Infarction in Rats. <i>PLoS ONE</i> , 2012, 7, e34157. | 1.1 | 79 |
| 2 | HMGB1 mediates depressive behavior induced by chronic stress through activating the kynurenine pathway. <i>Brain, Behavior, and Immunity</i> , 2018, 72, 51-60. | 2.0 | 77 |
| 3 | Kupffer cell-derived TNF- α promotes hepatocytes to produce CXCL1 and mobilize neutrophils in response to necrotic cells. <i>Cell Death and Disease</i> , 2018, 9, 323. | 2.7 | 60 |
| 4 | Integrative Bone Metabolomicsâ€”Lipidomics Strategy for Pathological Mechanism of Postmenopausal Osteoporosis Mouse Model. <i>Scientific Reports</i> , 2018, 8, 16456. | 1.6 | 58 |
| 5 | Human cerebral organoids establish subcortical projections in the mouse brain after transplantation. <i>Molecular Psychiatry</i> , 2021, 26, 2964-2976. | 4.1 | 55 |
| 6 | Potential of serum metabolites for diagnosing post-stroke cognitive impairment. <i>Molecular BioSystems</i> , 2015, 11, 3287-3296. | 2.9 | 51 |
| 7 | Dynamic metabolic and transcriptomic profiling of methyl jasmonateâ€”treated hairy roots reveals synthetic characters and regulators of lignan biosynthesis in <i>Isatis indigotica</i> . <i>Fort. Plant Biotechnology Journal</i> , 2016, 14, 2217-2227. | 4.1 | 51 |
| 8 | Metabonomic identification of the effects of the Zhimu-Baihe saponins on a chronic unpredictable mild stress-induced rat model of depression. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 128, 469-479. | 1.4 | 51 |
| 9 | Glycyrrhizic acid ameliorates the kynurenine pathway in association with its antidepressant effect. <i>Behavioural Brain Research</i> , 2018, 353, 250-257. | 1.2 | 50 |
| 10 | Lactulose Suppresses Osteoclastogenesis and Ameliorates Estrogen Deficiency-Induced Bone Loss in Mice. , 2020, 11, 629. | | 45 |
| 11 | Three serum metabolite signatures for diagnosing low-grade and high-grade bladder cancer. <i>Scientific Reports</i> , 2017, 7, 46176. | 1.6 | 44 |
| 12 | Hydrophilic interaction and reversed-phase ultraperformance liquid chromatographyTOF-MS for serum metabonomic analysis of myocardial infarction in rats and its applications. <i>Molecular BioSystems</i> , 2012, 8, 548-556. | 2.9 | 41 |
| 13 | FFAs-ROS-ERK/P38 pathway plays a key role in adipocyte lipotoxicity on osteoblasts in co-culture. <i>Biochimie</i> , 2014, 101, 123-131. | 1.3 | 41 |
| 14 | Metabolomics coupled with pathway analysis characterizes metabolic changes in response to BDE-3 induced reproductive toxicity in mice. <i>Scientific Reports</i> , 2018, 8, 5423. | 1.6 | 38 |
| 15 | UPLC-Q-TOF/MS based metabolomic profiling of serum and urine of hyperlipidemic rats induced by high fat diet. <i>Journal of Pharmaceutical Analysis</i> , 2014, 4, 360-367. | 2.4 | 36 |
| 16 | Investigation of the therapeutic effectiveness of active components in Sini decoction by a comprehensive GC/LC-MS based metabolomics and network pharmacology approaches. <i>Molecular BioSystems</i> , 2014, 10, 3310-3321. | 2.9 | 35 |
| 17 | Exploring the Therapeutic Mechanism of <i>Desmodium styracifolium</i> on Oxalate Crystal-Induced Kidney Injuries Using Comprehensive Approaches Based on Proteomics and Network Pharmacology. <i>Frontiers in Pharmacology</i> , 2018, 9, 620. | 1.6 | 32 |
| 18 | Dioscin relieves endotoxemia induced acute neuro-inflammation and protect neurogenesis via improving 5-HT metabolism. <i>Scientific Reports</i> , 2017, 7, 40035. | 1.6 | 29 |

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|----|--|-----|-----------|
| 19 | Overexpression of CtCHS1 Increases Accumulation of Quinochalcone in Safflower. <i>Frontiers in Plant Science</i> , 2017, 8, 1409. | 1.7 | 28 |
| 20 | Chemical profile- and pharmacokinetics-based investigation of the synergistic property of <i>Platycodonis Radix</i> in Traditional Chinese Medicine formula Shengxian Decoction. <i>Journal of Ethnopharmacology</i> , 2014, 152, 497-507. | 2.0 | 26 |
| 21 | Low-level laser irradiation modulates brain-derived neurotrophic factor mRNA transcription through calcium-dependent activation of the ERK/CREB pathway. <i>Lasers in Medical Science</i> , 2017, 32, 169-180. | 1.0 | 26 |
| 22 | Metabolomics profiling provides valuable insights into the underlying mechanisms of <i>Morinda officinalis</i> on protecting glucocorticoid-induced osteoporosis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 166, 336-346. | 1.4 | 26 |
| 23 | Urinary metabolomics elucidate the therapeutic mechanism of <i>Orthosiphon stamineus</i> in mouse crystal-induced kidney injury. <i>Journal of Ethnopharmacology</i> , 2015, 166, 323-332. | 2.0 | 25 |
| 24 | Effects of glaucocalyxin A on human liver cancer cells as revealed by GC/MS- and LC/MS-based metabolic profiling. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 3325-3335. | 1.9 | 25 |
| 25 | UHPLC-Q-TOF-MS based serum metabolomics revealed the metabolic perturbations of ischemic stroke and the protective effect of RKIP in rat models. <i>Molecular BioSystems</i> , 2016, 12, 1831-1841. | 2.9 | 23 |
| 26 | Integrative Proteomicsâ€“Metabolomics Strategy for Pathological Mechanism of Vascular Depression Mouse Model. <i>Journal of Proteome Research</i> , 2018, 17, 656-669. | 1.8 | 23 |
| 27 | Metabolomics changes in a rat model of obstructive jaundice: mapping to metabolism of amino acids, carbohydrates and lipids as well as oxidative stress. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2015, 57, 50-59. | 0.6 | 21 |
| 28 | Metabolomics analysis for hydroxy-L-proline-induced calcium oxalate nephrolithiasis in rats based on ultra-high performance liquid chromatography quadrupole time-of-flight mass spectrometry. <i>Scientific Reports</i> , 2016, 6, 30142. | 1.6 | 21 |
| 29 | UHPLC-QTOF/MS-based metabolomics investigation for the protective mechanism of Danshen in Alzheimerâ€™s disease cell model induced by A β 1-42. <i>Metabolomics</i> , 2019, 15, 13. | 1.4 | 21 |
| 30 | A strategy for rapid analysis of xenobiotic metabolome of Sini decoction in vivo using ultra-performance liquid chromatography-electrospray ionization quadrupole-time-of-flight mass spectrometry combined with pattern recognition approach. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 96, 187-196. | 1.4 | 20 |
| 31 | Plasma metabolomic profile and potential biomarkers for missed abortion. <i>Biomedical Chromatography</i> , 2016, 30, 1942-1952. | 0.8 | 20 |
| 32 | A practical strategy for characterization of the metabolic profile of chiral drugs using combinatory liquid chromatographyâ€“mass spectrometric techniques: Application to tetrahydropalmatine enantiomers and their metabolites in rat urine. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 94, 152-162. | 1.4 | 19 |
| 33 | Comparative analysis of essential oils found in Rhizomes <i>Curcumae</i> and Radix <i>Curcumae</i> by gas chromatographyâ€“mass spectrometry. <i>Journal of Pharmaceutical Analysis</i> , 2011, 1, 203-207. | 2.4 | 17 |
| 34 | Develop a 3D neurological disease model of human cortical glutamatergic neurons using micropillar-based scaffolds. <i>Acta Pharmaceutica Sinica B</i> , 2019, 9, 557-564. | 5.7 | 17 |
| 35 | Cross-platform metabolic profiling deciphering the potential targets of Shenfu injection against acute viral myocarditis in mice. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 160, 1-11. | 1.4 | 16 |
| 36 | Untargeted lipidomics based on UPLC-QTOF-MS/MS and structural characterization reveals dramatic compositional changes in serum and renal lipids in mice with glyoxylate-induced nephrolithiasis. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1095, 258-266. | 1.2 | 16 |

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|----|---|-----|-----------|
| 37 | Fu-Fang-Jin-Qian-Cao herbal granules protect against the calcium oxalate-induced renal EMT by inhibiting the TGF- β 2/smad pathway. <i>Pharmaceutical Biology</i> , 2020, 58, 1124-1131. | 1.3 | 16 |
| 38 | Raf kinase inhibitor protein regulates oxygen-glucose deprivation-induced PC12 cells apoptosis through the NF- κ B and ERK pathways. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2016, 59, 86-92. | 0.6 | 15 |
| 39 | CtACO1 Overexpression Resulted in the Alteration of the Flavonoids Profile of Safflower. <i>Molecules</i> , 2019, 24, 1128. | 1.7 | 15 |
| 40 | Integrated Proteomic and Metabolomic Analysis of the Testes Characterizes BDE-47-Induced Reproductive Toxicity in Mice. <i>Biomolecules</i> , 2021, 11, 821. | 1.8 | 15 |
| 41 | Subcutaneous delivery of tauroursodeoxycholic acid rescues the cone photoreceptors in degenerative retina: A promising therapeutic molecule for retinopathy. <i>Biomedicine and Pharmacotherapy</i> , 2019, 117, 109021. | 2.5 | 14 |
| 42 | Lipidomic profiling reveals significant alterations in lipid biochemistry in hypothyroid rat cerebellum and the therapeutic effects of Sini decoction. <i>Journal of Ethnopharmacology</i> , 2015, 159, 262-273. | 2.0 | 13 |
| 43 | Lipidomics Reveals the Therapeutic Effects of EtOAc Extract of <i>Orthosiphon stamineus</i> Benth. on Nephrolithiasis. <i>Frontiers in Pharmacology</i> , 2020, 11, 1299. | 1.6 | 12 |
| 44 | New Function of Cholesterol Oxidation Products Involved in Osteoporosis Pathogenesis. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2020. | 1.8 | 11 |
| 45 | UHPLC-HRMSn Analysis Reveals the Dynamic Metabonomic Responses of <i>Salvia miltiorrhiza</i> Hairy Roots to Polysaccharide Fraction from <i>Trichoderma atroviride</i> . <i>Biomolecules</i> , 2019, 9, 541. | 1.8 | 9 |
| 46 | Using cell membrane chromatography and HPLC-TOF/MS method for in vivo study of active components from roots of <i>Aconitum carmichaeli</i> . <i>Journal of Pharmaceutical Analysis</i> , 2011, 1, 125-134. | 2.4 | 8 |
| 47 | HIV-1 Tat induces biochemical changes in the serum of mice. <i>Virology</i> , 2012, 422, 288-296. | 1.1 | 8 |
| 48 | Therapeutic effect of Xue Niao An on glyoxylate-induced calcium oxalate crystal deposition based on urinary metabonomics approach. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2014, 55, 184-190. | 0.6 | 8 |
| 49 | Metabolomic analysis reveals a protective effect of Fu-Fang-Jin-Qian-Chao herbal granules on oxalate-induced kidney injury. <i>Bioscience Reports</i> , 2019, 39, . | 1.1 | 8 |
| 50 | Synergistic Effect of Mesoporous Silica and Hydroxyapatite in Loaded Poly(DL-lactic-co-glycolic acid) Microspheres on the Regeneration of Bone Defects. <i>BioMed Research International</i> , 2016, 2016, 1-14. | 0.9 | 7 |
| 51 | Metabolomic approach to understand the acute and chronic hepatotoxicity of <i>Veratrum nigrum</i> extract in mice based on ultra-high-performance liquid chromatography coupled with quadrupole time-of-flight mass spectrometry. <i>Toxicology Mechanisms and Methods</i> , 2017, 27, 687-696. | 1.3 | 7 |
| 52 | Validation of efficacy and mechanism of Sanwei-Tanxiang powder in improving myocardial ischemia reperfusion injuries. <i>Scientific Reports</i> , 2021, 11, 664. | 1.6 | 7 |
| 53 | Pharmacokinetics of monoester terpenoid alkaloids in myocardial infarction and normal rats after oral administration of Sini decoction by microdialysis combined with liquid chromatography-tandem mass spectrometry. <i>Biomedical Chromatography</i> , 2019, 33, e4406. | 0.8 | 5 |
| 54 | Association of Use of Tourniquets During Total Knee Arthroplasty in the Elderly Patients With Post-operative Pain and Return to Function. <i>Frontiers in Public Health</i> , 2022, 10, 825408. | 1.3 | 4 |

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|----|---|-----|-----------|
| 55 | An observation study of urinary biomarker exploratory in Alzheimer's disease using high-resolution mass spectrometry. <i>Biomedical Chromatography</i> , 2022, 36, . | 0.8 | 4 |
| 56 | Urinary metabolomics of complete Freund's adjuvant-induced hyperalgesia in rats. <i>Biomedical Chromatography</i> , 2017, 31, e3886. | 0.8 | 3 |
| 57 | Hydrophilic interaction and reversed-phase ultra-performance liquid chromatography TOF-MS for metabolomic analysis of <i>Veratrum nigrum</i> -induced cardiotoxicity. <i>Biomedical Chromatography</i> , 2017, 31, e4011. | 0.8 | 3 |
| 58 | A modified impactor for establishing a graded contusion spinal cord injury model in rats. <i>Annals of Translational Medicine</i> , 2022, 10, 436-436. | 0.7 | 3 |
| 59 | SEPARATION AND CHARACTERIZATION OF STEROIDAL SAPONINS IN <i>PARIS PLYPHYLLA</i> BY HIGH-PERFORMANCE LIQUID CHROMATOGRAPHY COUPLED WITH TIME-OF-FLIGHT MASS SPECTROMETRY AND ION TRAP MASS SPECTROMETRY. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2013, 36, 1661-1677. | 0.5 | 2 |
| 60 | An Integrated Proteomics and Metabolomics Strategy for the Mechanism of Calcium Oxalate Crystal-Induced Kidney Injury. <i>Frontiers in Medicine</i> , 2022, 9, 805356. | 1.2 | 2 |
| 61 | Poloxamer188 composite electrospun poly L-lactic acid fibrous nonwoven: Sustained in vitro and in vivo release letrozole as a subcutaneous implant. <i>Journal of Industrial Textiles</i> , 0, , 152808372110620. | 1.1 | 1 |
| 62 | Effect of Zoledronic Acid on the Vertebral Body Bone Mineral Density After Instrumented Intervertebral Fusion in Postmenopausal Women With Osteoporosis. <i>Global Spine Journal</i> , 2021, , 219256822110278. | 1.2 | 0 |