

# Rong Mao

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

245  
papers

6,921  
citations

42  
h-index

72  
g-index

257  
ext. papers

8,363  
ext. citations

4.6  
avg, IF

5.83  
L-index

| #   | Paper  | IF   | Citations |
|-----|--|------|-----------|
| 245 | Low-grade inflammation as a key mediator of the pathogenesis of osteoarthritis. <i>Nature Reviews Rheumatology</i> , <b>2016</b> , 12, 580-92  | 8.1  | 547       |
| 244 | A fourth locus for hereditary hemorrhagic telangiectasia maps to chromosome 7. <i>American Journal of Medical Genetics, Part A</i> , <b>2006</b> , 140, 2155-62  | 2.5  | 174       |
| 243 | Impaired PIEZO1 function in patients with a novel autosomal recessive congenital lymphatic dysplasia. <i>Nature Communications</i> , <b>2015</b> , 6, 8329   | 17.4 | 166       |
| 242 | Global up-regulation of chromosome 21 gene expression in the developing Down syndrome brain. <i>Genomics</i> , <b>2003</b> , 81, 457-67  | 4.3  | 164       |
| 241 | Genotype-phenotype correlation in hereditary hemorrhagic telangiectasia: mutations and manifestations. <i>American Journal of Medical Genetics, Part A</i> , <b>2006</b> , 140, 463-70   | 2.5  | 163       |
| 240 | HIV/STD risk behaviors and perceptions among rural-to-urban migrants in China. <i>AIDS Education and Prevention</i> , <b>2004</b> , 16, 538-56   | 2    | 158       |
| 239 | EIF2AK4 mutations in pulmonary capillary hemangiomatosis. <i>Chest</i> , <b>2014</b> , 145, 231-236  | 5.3  | 143       |
| 238 | Behavioral abnormalities and circuit defects in the basal ganglia of a mouse model of 16p11.2 deletion syndrome. <i>Cell Reports</i> , <b>2014</b> , 7, 1077-1092  | 10.6 | 137       |
| 237 | Antistress effect of TRPV1 channel on synaptic plasticity and spatial memory. <i>Biological Psychiatry</i> , <b>2008</b> , 64, 286-92  | 7.9  | 124       |
| 236 | Opportunities and challenges associated with clinical diagnostic genome sequencing: a report of the Association for Molecular Pathology. <i>Journal of Molecular Diagnostics</i> , <b>2012</b> , 14, 525-40                        | 5.1  | 123       |
| 235 | Multiple endocrine neoplasia type 2 RET protooncogene database: repository of MEN2-associated RET sequence variation and reference for genotype/phenotype correlations. <i>Human Mutation</i> , <b>2009</b> , 30, 548-56           | 4.7  | 123       |
| 234 | Primary and secondary transcriptional effects in the developing human Down syndrome brain and heart. <i>Genome Biology</i> , <b>2005</b> , 6, R107   | 18.3 | 118       |
| 233 | ACMG technical standards and guidelines for genetic testing for inherited colorectal cancer (Lynch syndrome, familial adenomatous polyposis, and MYH-associated polyposis). <i>Genetics in Medicine</i> , <b>2014</b> , 16, 101-16 | 8.1  | 113       |
| 232 | Enriched environment experience overcomes the memory deficits and depressive-like behavior induced by early life stress. <i>Neuroscience Letters</i> , <b>2006</b> , 404, 208-12   | 3.3  | 111       |
| 231 | Short-term effects of intravitreal bevacizumab for subfoveal choroidal neovascularization in pathologic myopia. <i>Genetics in Medicine</i> , <b>2007</b> , 27, 707-12   | 8.1  | 108       |
| 230 | Mutation database for the galactose-1-phosphate uridylyltransferase (GALT) gene. <i>Human Mutation</i> , <b>2007</b> , 28, 939-43  | 4.7  | 102       |
| 229 | Hereditary hemorrhagic telangiectasia: an overview of diagnosis and management in the molecular era for clinicians. <i>Genetics in Medicine</i> , <b>2004</b> , 6, 175-91  | 8.1  | 98        |

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|-----|--|------|----|
| 228 | Soil organic carbon and nitrogen stocks in an age-sequence of poplar stands planted on marginal agricultural land in Northeast China. <i>Plant and Soil</i> , <b>2010</b> , 332, 277-287   | 4.2  | 94 |
| 227 | Characteristics of two cases with dup(15)(q11.2-q12): one of maternal and one of paternal origin. <i>Genetics in Medicine</i> , <b>2000</b> , 2, 131-5   | 8.1  | 87 |
| 226 | Intracranial hemorrhage in infants and children with hereditary hemorrhagic telangiectasia (Osler-Weber-Rendu syndrome). <i>Pediatrics</i> , <b>2002</b> , 109, E12  | 7.4  | 86 |
| 225 | Large greenhouse gases emissions from China's lakes and reservoirs. <i>Water Research</i> , <b>2018</b> , 147, 13-24   | 12.5 | 86 |
| 224 | ClinGen Variant Curation Expert Panel experiences and standardized processes for disease and gene-level specification of the ACMG/AMP guidelines for sequence variant interpretation. <i>Human Mutation</i> , <b>2018</b> , 39, 1614-1622            | 4.7  | 83 |
| 223 | Molecular diagnosis of Prader-Willi and Angelman syndromes by methylation-specific melting analysis and methylation-specific multiplex ligation-dependent probe amplification. <i>Clinical Chemistry</i> , <b>2006</b> , 52, 1276-83                 | 5.5  | 80 |
| 222 | A deleterious Nav1.1 mutation selectively impairs telencephalic inhibitory neurons derived from Dravet Syndrome patients. <i>ELife</i> , <b>2016</b> , 5,  | 8.9  | 79 |
| 221 | Effects of salinization and crude oil contamination on soil bacterial community structure in the Yellow River Delta region, China. <i>Applied Soil Ecology</i> , <b>2015</b> , 86, 165-173   | 5    | 68 |
| 220 | Rural-to-urban migrants and the HIV epidemic in China. <i>AIDS and Behavior</i> , <b>2006</b> , 10, 421-30   | 4.3  | 66 |
| 219 | New-onset IgG autoantibodies in hospitalized patients with COVID-19. <i>Nature Communications</i> , <b>2021</b> , 12, 5417   | 17.4 | 65 |
| 218 | Clinical analysis of PMS2: mutation detection and avoidance of pseudogenes. <i>Human Mutation</i> , <b>2010</b> , 31, 588-93   | 4.7  | 64 |
| 217 | HIV-related risk behaviors and history of sexually transmitted diseases among male migrants who patronize commercial sex in China. <i>Sexually Transmitted Diseases</i> , <b>2007</b> , 34, 1-8  | 2.4  | 60 |
| 216 | Childhood-onset ataxia: testing for large CAG-repeats in SCA2 and SCA7. <i>American Journal of Medical Genetics Part A</i> , <b>2002</b> , 110, 338-45   |      | 60 |
| 215 | HIV-related risk factors associated with commercial sex among female migrants in China. <i>Health Care for Women International</i> , <b>2005</b> , 26, 134-48  | 1.5  | 58 |
| 214 | DNA sequence capture and enrichment by microarray followed by next-generation sequencing for targeted resequencing: neurofibromatosis type 1 gene as a model. <i>Clinical Chemistry</i> , <b>2010</b> , 56, 62-72                                    | 5.5  | 54 |
| 213 | Effect of nitrogen addition on decomposition of <i>Calamagrostis angustifolia</i> litters from freshwater marshes of Northeast China. <i>Ecological Engineering</i> , <b>2011</b> , 37, 1578-1582  | 3.9  | 47 |
| 212 | Genotyping of human platelet antigens 1 to 6 and 15 by high-resolution amplicon melting and conventional hybridization probes. <i>Journal of Molecular Diagnostics</i> , <b>2006</b> , 8, 97-104   | 5.1  | 47 |
| 211 | Gene expression alterations over large chromosomal regions in cancers include multiple genes unrelated to malignant progression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2004</b> , 101, 8715-20 | 11.5 | 46 |

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|-----|--|------|----|
| 210 | Effects of unconditioned and conditioned aversive stimuli in an intense fear conditioning paradigm on synaptic plasticity in the hippocampal CA1 area in vivo. <i>Hippocampus</i> , <b>2005</b> , 15, 815-24                         | 3.5  | 45 |
| 209 | Affinity Maturation Drives Epitope Spreading and Generation of Proinflammatory Anti-Citrullinated Protein Antibodies in Rheumatoid Arthritis. <i>Arthritis and Rheumatology</i> , <b>2018</b> , 70, 1946-1958                        | 9.5  | 44 |
| 208 | The development of next-generation sequencing assays for the mitochondrial genome and 108 nuclear genes associated with mitochondrial disorders. <i>Journal of Molecular Diagnostics</i> , <b>2013</b> , 15, 526-34                  | 5.1  | 44 |
| 207 | Mutation scanning of the RET protooncogene using high-resolution melting analysis. <i>Clinical Chemistry</i> , <b>2006</b> , 52, 138-41  | 5.5  | 44 |
| 206 | Reporting incidental findings in genomic scale clinical sequencing--a clinical laboratory perspective: a report of the Association for Molecular Pathology. <i>Journal of Molecular Diagnostics</i> , <b>2015</b> , 17, 107-17       | 5.1  | 43 |
| 205 | Health Indicators and Geographic Mobility among Young Rural-to-Urban Migrants in China. <i>World Health &amp; Population</i> , <b>2006</b> , 8, 5-21   | 0.4  | 43 |
| 204 | Response of leaf, sheath and stem nutrient resorption to 7 years of N addition in freshwater wetland of Northeast China. <i>Plant and Soil</i> , <b>2013</b> , 364, 385-394  | 4.2  | 42 |
| 203 | Changes in soil particulate organic matter, microbial biomass, and activity following afforestation of marginal agricultural lands in a semi-arid area of northeast China. <i>Environmental Management</i> , <b>2010</b> , 46, 110-6 | 3.1  | 42 |
| 202 | Non-additive effects vary with the number of component residues and their mixing proportions during residue mixture decomposition: A microcosm study. <i>Geoderma</i> , <b>2012</b> , 170, 112-117                                   | 6.7  | 40 |
| 201 | Fresh root decomposition pattern of two contrasting tree species from temperate agroforestry systems: effects of root diameter and nitrogen enrichment of soil. <i>Plant and Soil</i> , <b>2011</b> , 347, 115-123                   | 4.2  | 39 |
| 200 | Perceptions and attitudes regarding sex and condom use among Chinese college students: a qualitative study. <i>AIDS and Behavior</i> , <b>2004</b> , 8, 105-17   | 4.3  | 39 |
| 199 | Carbon mineralization of tree leaf litter and crop residues from poplar-based agroforestry systems in Northeast China: A laboratory study. <i>Applied Soil Ecology</i> , <b>2010</b> , 44, 133-137                                   | 5    | 37 |
| 198 | Development and Validation of Clinical Whole-Exome and Whole-Genome Sequencing for Detection of Germline Variants in Inherited Disease. <i>Archives of Pathology and Laboratory Medicine</i> , <b>2017</b> , 141, 798-805            | 5    | 36 |
| 197 | Expressions of HIV-related stigma among rural-to-urban migrants in China. <i>AIDS Patient Care and STDs</i> , <b>2008</b> , 22, 823-31   | 5.8  | 36 |
| 196 | Effects of P addition on plant C:N:P stoichiometry in an N-limited temperate wetland of Northeast China. <i>Science of the Total Environment</i> , <b>2016</b> , 559, 1-6  | 10.2 | 36 |
| 195 | Response of plant nutrient stoichiometry to fertilization varied with plant tissues in a tropical forest. <i>Scientific Reports</i> , <b>2015</b> , 5, 14605   | 4.9  | 35 |
| 194 | Pathogenic ASXL1 somatic variants in reference databases complicate germline variant interpretation for Bohring-Opitz Syndrome. <i>Human Mutation</i> , <b>2017</b> , 38, 517-523  | 4.7  | 34 |
| 193 | Functional and molecular studies in primary carnitine deficiency. <i>Human Mutation</i> , <b>2017</b> , 38, 1684-1699  | 4.7  | 34 |

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|-----|---|-----|----|
| 192 | Further supporting evidence for the SATB2-associated syndrome found through whole exome sequencing. <i>American Journal of Medical Genetics, Part A</i> , <b>2015</b> , 167A, 1026-32                   | 2.5 | 34 |
| 191 | Mosaic trisomy 16 ascertained through amniocentesis: evaluation of 11 new cases. <i>American Journal of Medical Genetics Part A</i> , <b>1998</b> , 80, 473-80  |     | 34 |
| 190 | The bidirectional effects of hypothyroidism and hyperthyroidism on anxiety- and depression-like behaviors in rats. <i>Hormones and Behavior</i> , <b>2015</b> , 69, 106-15                              | 3.7 | 33 |
| 189 | SPRED 1 mutations in a neurofibromatosis clinic. <i>Journal of Child Neurology</i> , <b>2010</b> , 25, 1203-9   | 2.5 | 33 |
| 188 | Clinical and analytical sensitivities in hereditary hemorrhagic telangiectasia testing and a report of de novo mutations. <i>Journal of Molecular Diagnostics</i> , <b>2007</b> , 9, 258-65             | 5.1 | 32 |
| 187 | Internet use among Chinese college students: implications for sex education and HIV prevention. <i>Cyberpsychology, Behavior and Social Networking</i> , <b>2007</b> , 10, 161-9                        |     | 32 |
| 186 | Inhibition of Rac1 Activity in the Hippocampus Impairs the Forgetting of Contextual Fear Memory. <i>Molecular Neurobiology</i> , <b>2016</b> , 53, 1247-1253  | 6.2 | 30 |
| 185 | Soil microbial properties under N and P additions in a semi-arid, sandy grassland. <i>Biology and Fertility of Soils</i> , <b>2010</b> , 46, 653-658  | 6.1 | 30 |
| 184 | Evaluation of an integrative diagnostic algorithm for the identification of people at risk for alpha1-antitrypsin deficiency. <i>American Journal of Clinical Pathology</i> , <b>2007</b> , 128, 482-90 | 1.9 | 30 |
| 183 | Patterns of cigarette smoking among students from 19 colleges and universities in Jiangsu Province, China: a latent class analysis. <i>Drug and Alcohol Dependence</i> , <b>2004</b> , 76, 153-63       | 4.9 | 30 |
| 182 | Biomarkers to guide clinical therapeutics in rheumatology?. <i>Current Opinion in Rheumatology</i> , <b>2016</b> , 28, 168-75   | 5.3 | 30 |
| 181 | Riverine CO2 supersaturation and outgassing in a subtropical monsoonal mountainous area (Three Gorges Reservoir Region) of China. <i>Journal of Hydrology</i> , <b>2018</b> , 558, 460-469              | 6   | 29 |
| 180 | Reduced conditioned fear response in mice that lack Dlx1 and show subtype-specific loss of interneurons. <i>Journal of Neurodevelopmental Disorders</i> , <b>2009</b> , 1, 224-36                       | 4.6 | 29 |
| 179 | Effect of social cognitive theory-based HIV education prevention program among high school students in Nanjing, China. <i>Health Education Research</i> , <b>2011</b> , 26, 419-31                      | 1.8 | 29 |
| 178 | Masking selected sequence variation by incorporating mismatches into melting analysis probes. <i>Human Mutation</i> , <b>2006</b> , 27, 269-78  | 4.7 | 29 |
| 177 | Development of a Multiantigen Panel for Improved Detection of <i>Borrelia burgdorferi</i> Infection in Early Lyme Disease. <i>Journal of Clinical Microbiology</i> , <b>2015</b> , 53, 3834-41          | 9.7 | 28 |
| 176 | Effect of preparation conditions on morphology and thermal stability of nanoporous copper. <i>Corrosion Science</i> , <b>2012</b> , 60, 231-237   | 6.8 | 28 |
| 175 | Psychosocial correlates of cigarette smoking among college students in China. <i>Health Education Research</i> , <b>2009</b> , 24, 105-18   | 1.8 | 28 |

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|-----|---|------|----|
| 174 | Affinity Maturation of the Anti-Citrullinated Protein Antibody Paratope Drives Epitope Spreading and Polyreactivity in Rheumatoid Arthritis. <i>Arthritis and Rheumatology</i> , <b>2019</b> , 71, 507-517  | 9.5  | 28 |
| 173 | Heavy metals in soils of Hechuan County in the upper Yangtze (SW China): Comparative pollution assessment using multiple indices with high-spatial-resolution sampling. <i>Ecotoxicology and Environmental Safety</i> , <b>2018</b> , 148, 644-651  | 7    | 28 |
| 172 | Scaling resolution of variant classification differences in ClinVar between 41 clinical laboratories through an outlier approach. <i>Human Mutation</i> , <b>2018</b> , 39, 1641-1649   | 4.7  | 28 |
| 171 | Acute low-dose melamine affects hippocampal synaptic plasticity and behavior in rats. <i>Toxicology Letters</i> , <b>2012</b> , 214, 63-8   | 4.4  | 26 |
| 170 | Unique aspects of sequence variant interpretation for inborn errors of metabolism (IEM): The ClinGen IEM Working Group and the Phenylalanine Hydroxylase Gene. <i>Human Mutation</i> , <b>2018</b> , 39, 1569-1580  | 4.7  | 26 |
| 169 | Plant zonation patterns reflected by the differences in plant growth, biomass partitioning and root traits along a water level gradient among four common vascular plants in freshwater marshes of the Sanjiang Plain, Northeast China. <i>Ecological Engineering</i> , <b>2015</b> , 81, 158-164 | 3.9  | 25 |
| 168 | Nicotinic acid activates the capsaicin receptor TRPV1: Potential mechanism for cutaneous flushing. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2014</b> , 34, 1272-80  | 9.4  | 25 |
| 167 | Cultural adaptation of the Focus on Kids program for college students in China. <i>AIDS Education and Prevention</i> , <b>2008</b> , 20, 1-14   | 2    | 25 |
| 166 | Nine novel germline gene variants in the RET proto-oncogene identified in twelve unrelated cases. <i>Journal of Molecular Diagnostics</i> , <b>2005</b> , 7, 283-8  | 5.1  | 25 |
| 165 | Responses of plant nutrient resorption to phosphorus addition in freshwater marsh of Northeast China. <i>Scientific Reports</i> , <b>2015</b> , 5, 8097   | 4.9  | 24 |
| 164 | Preparation and properties of enhanced bulk nanoporous coppers. <i>Materials Letters</i> , <b>2012</b> , 73, 136-138  | 3.3  | 24 |
| 163 | Abnormal anxiety- and depression-like behaviors in mice lacking both central serotonergic neurons and pancreatic islet cells. <i>Frontiers in Behavioral Neuroscience</i> , <b>2014</b> , 8, 325  | 3.5  | 24 |
| 162 | Litter mass loss and nutrient dynamics of four emergent macrophytes during aerial decomposition in freshwater marshes of the Sanjiang plain, Northeast China. <i>Plant and Soil</i> , <b>2014</b> , 385, 139-147  | 4.2  | 24 |
| 161 | Maternal separation exaggerates spontaneous recovery of extinguished contextual fear in adult female rats. <i>Behavioural Brain Research</i> , <b>2014</b> , 269, 75-80   | 3.4  | 23 |
| 160 | Phosphorus availability as a primary control of dissolved organic carbon biodegradation in the tributaries of the Yangtze River in the Three Gorges Reservoir Region. <i>Science of the Total Environment</i> , <b>2017</b> , 574, 1472-1476  | 10.2 | 23 |
| 159 | Evaluation of somatic mutations in tibial pseudarthrosis samples in neurofibromatosis type 1. <i>Journal of Medical Genetics</i> , <b>2015</b> , 52, 256-61   | 5.8  | 23 |
| 158 | Likelihood ratios to assess genetic evidence for clinical significance of uncertain variants: hereditary hemorrhagic telangiectasia as a model. <i>Experimental and Molecular Pathology</i> , <b>2008</b> , 85, 45-9  | 4.4  | 23 |
| 157 | Circulating plasmablasts are elevated and produce pathogenic anti-endothelial cell autoantibodies in idiopathic pulmonary arterial hypertension. <i>European Journal of Immunology</i> , <b>2018</b> , 48, 874-884  | 6.1  | 22 |

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|-----|---|------|----|
| 156 | Changes in labile soil organic matter fractions following land use change from monocropping to poplar-based agroforestry systems in a semiarid region of Northeast China. <i>Environmental Monitoring and Assessment</i> , <b>2012</b> , 184, 6845-53 | 3.1  | 22 |
| 155 | Centromeric dna break in a 10;16 reciprocal translocation associated with trisomy 16 confined placental mosaicism and maternal uniparental disomy for chromosome 16. <i>American Journal of Medical Genetics Part A</i> , <b>1998</b> , 80, 418-422   |      | 22 |
| 154 | Methodology of a multistate study of congenital hearing loss: preliminary data from Utah newborn screening. <i>American Journal of Medical Genetics Part A</i> , <b>2004</b> , 125C, 28-34  |      | 22 |
| 153 | Plant functional group controls litter decomposition rate and its temperature sensitivity: An incubation experiment on litters from a boreal peatland in northeast China. <i>Science of the Total Environment</i> , <b>2018</b> , 626, 678-683        | 10.2 | 21 |
| 152 | Effect of Suaeda salsa on Soil Aggregate-Associated Organic Carbon and Nitrogen in Tidal Salt Marshes in the Liaohe Delta, China. <i>Wetlands</i> , <b>2014</b> , 34, 189-195   | 1.7  | 21 |
| 151 | Effects of pentylenetetrazol-induced brief convulsive seizures on spatial memory and fear memory. <i>Epilepsy and Behavior</i> , <b>2009</b> , 15, 441-4  | 3.2  | 21 |
| 150 | RET proto-oncogene genotyping using unlabeled probes, the masking technique, and amplicon high-resolution melting analysis. <i>Journal of Molecular Diagnostics</i> , <b>2007</b> , 9, 184-96   | 5.1  | 21 |
| 149 | Specifications of the ACMG/AMP standards and guidelines for mitochondrial DNA variant interpretation. <i>Human Mutation</i> , <b>2020</b> , 41, 2028-2057   | 4.7  | 21 |
| 148 | Prenatal diagnosis of 21-hydroxylase deficiency caused by gene conversion and rearrangements: pitfalls and molecular diagnostic solutions. <i>Prenatal Diagnosis</i> , <b>2002</b> , 22, 1171-6   | 3.2  | 20 |
| 147 | Impaired contextual fear extinction and hippocampal synaptic plasticity in adult rats induced by prenatal morphine exposure. <i>Addiction Biology</i> , <b>2015</b> , 20, 652-62  | 4.6  | 19 |
| 146 | Whole-scale neurobehavioral assessments of photothrombotic ischemia in freely moving mice. <i>Journal of Neuroscience Methods</i> , <b>2015</b> , 239, 100-7  | 3    | 19 |
| 145 | Severe biodegradation of polycyclic aromatic hydrocarbons in reservoired crude oils from the Miaoxi Depression, Bohai Bay Basin. <i>Fuel</i> , <b>2018</b> , 211, 859-867   | 7.1  | 19 |
| 144 | Soil microbiological and chemical effects of a nitrogen-fixing shrub in poplar plantations in semi-arid region of Northeast China. <i>European Journal of Soil Biology</i> , <b>2010</b> , 46, 325-329  | 2.9  | 19 |
| 143 | Litter decomposition of a pine plantation is affected by species evenness and soil nitrogen availability. <i>Plant and Soil</i> , <b>2013</b> , 373, 649-657  | 4.2  | 18 |
| 142 | Carbon release from Sphagnum peat during thawing in a montane area in China. <i>Atmospheric Environment</i> , <b>2013</b> , 75, 77-82   | 5.3  | 18 |
| 141 | The Biotinidase Gene Variants Registry: A Paradigm Public Database. <i>G3: Genes, Genomes, Genetics</i> , <b>2013</b> , 3, 727-731  | 3.2  | 18 |
| 140 | Rapid diagnosis of MEN2B using unlabeled probe melting analysis and the LightCycler 480 instrument. <i>Journal of Molecular Diagnostics</i> , <b>2008</b> , 10, 123-8   | 5.1  | 18 |
| 139 | Genotypes and serum concentrations of human alpha-1-antitrypsin "P" protein variants in a clinical population. <i>Journal of Clinical Pathology</i> , <b>2007</b> , 60, 1124-8  | 3.9  | 18 |

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|-----|--|------|----|
| 138 | Perceptions regarding preventive sexual practices and communication with sexual partners among Chinese college students. <i>Preventive Medicine</i> , <b>2005</b> , 40, 189-96   | 4.3  | 18 |
| 137 | BRAT1-related disease—identification of a patient without early lethality. <i>American Journal of Medical Genetics, Part A</i> , <b>2016</b> , 170, 699-702  | 2.5  | 17 |
| 136 | Soil carbon and nitrogen across wetland types in discontinuous permafrost zone of the Xiao Xing'an Mountains, northeastern China. <i>Catena</i> , <b>2013</b> , 101, 31-37   | 5.8  | 17 |
| 135 | Extreme drought causes distinct water acidification and eutrophication in the Lower Lakes (Lakes Alexandrina and Albert), Australia. <i>Journal of Hydrology</i> , <b>2017</b> , 544, 133-146                                      | 6    | 17 |
| 134 | Correlation assessment among clinical phenotypes, expression analysis and molecular modeling of 14 novel variations in the human galactose-1-phosphate uridylyltransferase gene. <i>Human Mutation</i> , <b>2012</b> , 33, 1107-15 | 4.7  | 17 |
| 133 | Dysregulated integrin $\alpha 5$ and CD47 signaling promotes joint inflammation, cartilage breakdown, and progression of osteoarthritis. <i>JCI Insight</i> , <b>2019</b> , 4,   | 9.9  | 17 |
| 132 | Targeted gene panel sequencing for the rapid diagnosis of acutely ill infants. <i>Molecular Genetics &amp; Genomic Medicine</i> , <b>2019</b> , 7, e00796  | 2.3  | 16 |
| 131 | Dynamics of soil and root C stocks following afforestation of croplands with poplars in a semi-arid region in northeast China. <i>Plant and Soil</i> , <b>2013</b> , 368, 619-627  | 4.2  | 16 |
| 130 | Effects of permafrost thaw on carbon emissions under aerobic and anaerobic environments in the Great Hing'an Mountains, China. <i>Science of the Total Environment</i> , <b>2014</b> , 487, 604-10                                 | 10.2 | 16 |
| 129 | Influence of a subtype of inhibitory interneuron on stimulus-specific responses in visual cortex. <i>Cerebral Cortex</i> , <b>2012</b> , 22, 493-508   | 5.1  | 16 |
| 128 | Effects of Litter Evenness, Nitrogen Enrichment and Temperature on Short-Term Litter Decomposition in Freshwater Marshes of Northeast China. <i>Wetlands</i> , <b>2017</b> , 37, 145-152   | 1.7  | 15 |
| 127 | Interference of TRPV1 function altered the susceptibility of PTZ-induced seizures. <i>Frontiers in Cellular Neuroscience</i> , <b>2015</b> , 9, 20   | 6.1  | 15 |
| 126 | Neurofibromin deficiency-associated transcriptional dysregulation suggests a novel therapy for tibial pseudoarthrosis in NF1. <i>Journal of Bone and Mineral Research</i> , <b>2014</b> , 29, 2636-42                              | 6.3  | 15 |
| 125 | Effect of plants on methane emissions from a temperate marsh in different seasons. <i>Atmospheric Environment</i> , <b>2012</b> , 60, 277-282  | 5.3  | 15 |
| 124 | Concordance of butyrylcholinesterase phenotype with genotype: implications for biochemical reporting. <i>American Journal of Clinical Pathology</i> , <b>2011</b> , 135, 271-6   | 1.9  | 15 |
| 123 | Inhibition of Rac1 activity in the hippocampus impaired extinction of contextual fear. <i>Neuropharmacology</i> , <b>2016</b> , 109, 216-222   | 5.5  | 14 |
| 122 | Effects of hydrology and competition on plant growth in a freshwater marsh of northeast China. <i>Journal of Freshwater Ecology</i> , <b>2014</b> , 29, 117-128  | 1.4  | 14 |
| 121 | A high-throughput next-generation sequencing assay for the mitochondrial genome. <i>Methods in Molecular Biology</i> , <b>2015</b> , 1264, 77-88   | 1.4  | 14 |



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|-----|--|------|----|
| 120 | Development and Validation of Targeted Next-Generation Sequencing Panels for Detection of Germline Variants in Inherited Diseases. <i>Archives of Pathology and Laboratory Medicine</i> , <b>2017</b> , 141, 787-797   | 5.7  | 13 |
| 119 | Single-cell epigenetics - Chromatin modification atlas unveiled by mass cytometry. <i>Clinical Immunology</i> , <b>2018</b> , 196, 40-48   | 9    | 13 |
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| 4  | Genomic Applications in Inherited Genetic Disorders <b>2019</b> , 543-560  |     |   |
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| 2  | Plant phenols contents and their changes with nitrogen availability in peatlands of northeastern China. <i>Journal of Plant Ecology</i> , <b>2020</b> , 13, 713-721  | 1.7 |   |
| 1  | Mixing overstory tree- and understory fern-derived dissolved organic carbon produces non-additive effects on biodegradation in subtropical forests of southern China. <i>Plant and Soil</i> , <b>2021</b> , 468, 115 | 4.2 |   |