

Bo Wang

List of Publications by Year in descending order

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Version: 2024-02-01

100
papers

18,897
citations

117625

34
h-index

31849

101
g-index

104
all docs

104
docs citations

104
times ranked

42437
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | A global reference for human genetic variation. <i>Nature</i> , 2015, 526, 68-74. | 27.8 | 13,998 |
| 2 | Human Gut Microbiota from Autism Spectrum Disorder Promote Behavioral Symptoms in Mice. <i>Cell</i> , 2019, 177, 1600-1618.e17. | 28.9 | 701 |
| 3 | Mesenchymal Stem Cells Deliver Exogenous MicroRNA-let7c via Exosomes to Attenuate Renal Fibrosis. <i>Molecular Therapy</i> , 2016, 24, 1290-1301. | 8.2 | 286 |
| 4 | Analysis of the Genome Sequence of the Medicinal Plant <i>Salvia miltiorrhiza</i> . <i>Molecular Plant</i> , 2016, 9, 949-952. | 8.3 | 255 |
| 5 | Isolation and Characterization of a Novel Bat Coronavirus Closely Related to the Direct Progenitor of Severe Acute Respiratory Syndrome Coronavirus. <i>Journal of Virology</i> , 2016, 90, 3253-3256. | 3.4 | 221 |
| 6 | Self-Healing Supramolecular Self-Assembled Hydrogels Based on Poly(α -glutamic acid). <i>Biomacromolecules</i> , 2015, 16, 3508-3518. | 5.4 | 177 |
| 7 | Large-scale demonstration of the sulfate reduction autotrophic denitrification nitrification integrated (SANI [®]) process in saline sewage treatment. <i>Water Research</i> , 2016, 100, 496-507. | 11.3 | 142 |
| 8 | A novel approach of high speed scratching on silicon wafers at nanoscale depths of cut. <i>Scientific Reports</i> , 2015, 5, 16395. | 3.3 | 133 |
| 9 | Synergistic Effects of Combined Cell Therapy for Chronic Ischemic Cardiomyopathy. <i>Journal of the American College of Cardiology</i> , 2015, 66, 1990-1999. | 2.8 | 133 |
| 10 | Coexistence of multiple coronaviruses in several bat colonies in an abandoned mineshaft. <i>Virologica Sinica</i> , 2016, 31, 31-40. | 3.0 | 117 |
| 11 | Hierarchical neural architecture underlying thirst regulation. <i>Nature</i> , 2018, 555, 204-209. | 27.8 | 113 |
| 12 | Alkali-Induced <i>In Situ</i> Fabrication of Bi ₂ O ₄ -Decorated BiOBr Nanosheets with Excellent Photocatalytic Performance. <i>Journal of Physical Chemistry C</i> , 2016, 120, 7715-7727. | 3.1 | 110 |
| 13 | Inhibition of hAPP Amyloid Aggregation and Pancreatic β -Cell Toxicity by OH-Terminated PAMAM Dendrimer. <i>Small</i> , 2016, 12, 1615-1626. | 10.0 | 99 |
| 14 | A novel approach of chemical mechanical polishing for cadmium zinc telluride wafers. <i>Scientific Reports</i> , 2016, 6, 26891. | 3.3 | 89 |
| 15 | A novel approach of chemical mechanical polishing using environment-friendly slurry for mercury cadmium telluride semiconductors. <i>Scientific Reports</i> , 2016, 6, 22466. | 3.3 | 85 |
| 16 | Altered brain network centrality in depressed Parkinson's disease patients. <i>Movement Disorders</i> , 2015, 30, 1777-1784. | 3.9 | 80 |
| 17 | Molecular subgroups of adult medulloblastoma: a long-term single-institution study. <i>Neuro-Oncology</i> , 2016, 18, 982-990. | 1.2 | 75 |
| 18 | Maternal obesity epigenetically alters visceral fat progenitor cell properties in male offspring mice. <i>Journal of Physiology</i> , 2016, 594, 4453-4466. | 2.9 | 73 |

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|----|--|------|-----------|
| 19 | Firing Frequency Maxima of Fast-Spiking Neurons in Human, Monkey, and Mouse Neocortex. <i>Frontiers in Cellular Neuroscience</i> , 2016, 10, 239. | 3.7 | 68 |
| 20 | Nutrigenomic regulation of adipose tissue development – role of retinoic acid: A review. <i>Meat Science</i> , 2016, 120, 100-106. | 5.5 | 66 |
| 21 | Autapses enhance bursting and coincidence detection in neocortical pyramidal cells. <i>Nature Communications</i> , 2018, 9, 4890. | 12.8 | 66 |
| 22 | Evaluation of Linkage Disequilibrium Pattern and Association Study on Seed Oil Content in <i>Brassica napus</i> Using ddRAD Sequencing. <i>PLoS ONE</i> , 2016, 11, e0146383. | 2.5 | 63 |
| 23 | Altered Carbohydrates Allocation by Associated Bacteria-fungi Interactions in a Bark Beetle-microbe Symbiosis. <i>Scientific Reports</i> , 2016, 6, 20135. | 3.3 | 63 |
| 24 | Methoprene-tolerant (Met) and Kr ^{1/4} apple-homologue 1 (Kr-h1) are required for ovariole development and egg maturation in the brown plant hopper. <i>Scientific Reports</i> , 2016, 5, 18064. | 3.3 | 55 |
| 25 | Addicting diverse bacteria to a noncanonical amino acid. <i>Nature Chemical Biology</i> , 2016, 12, 138-140. | 8.0 | 55 |
| 26 | Antibacterial Diamines Targeting Bacterial Membranes. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 3140-3151. | 6.4 | 55 |
| 27 | <i>Magnesium Transporter 5</i> plays an important role in Mg transport for male gametophyte development in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2015, 84, 925-936. | 5.7 | 53 |
| 28 | Facile Discovery of a Diverse Panel of Anti-Ebola Virus Antibodies by Immune Repertoire Mining. <i>Scientific Reports</i> , 2015, 5, 13926. | 3.3 | 47 |
| 29 | Dynamic label propagation for semi-supervised multi-class multi-label classification. <i>Pattern Recognition</i> , 2016, 52, 75-84. | 8.1 | 45 |
| 30 | A Subtype of Inhibitory Interneuron with Intrinsic Persistent Activity in Human and Monkey Neocortex. <i>Cell Reports</i> , 2015, 10, 1450-1458. | 6.4 | 41 |
| 31 | Deciphering the Biosynthetic Origin of <i>allo</i> -Isoleucine. <i>Journal of the American Chemical Society</i> , 2016, 138, 408-415. | 13.7 | 41 |
| 32 | Isolation and identification of bat viruses closely related to human, porcine and mink orthoreoviruses. <i>Journal of General Virology</i> , 2015, 96, 3525-3531. | 2.9 | 41 |
| 33 | Gray and white matter alterations in early HIV-infected patients: Combined voxel-based morphometry and tract-based spatial statistics. <i>Journal of Magnetic Resonance Imaging</i> , 2016, 43, 1474-1483. | 3.4 | 39 |
| 34 | Identification of a reticulocyte-specific binding domain of <i>Plasmodium vivax</i> reticulocyte-binding protein 1 that is homologous to the PfRh4 erythrocyte-binding domain. <i>Scientific Reports</i> , 2016, 6, 26993. | 3.3 | 39 |
| 35 | Genetically engineered anthocyanin pathway for high health-promoting pigment production in eggplant. <i>Molecular Breeding</i> , 2016, 36, 1. | 2.1 | 37 |
| 36 | Ecological Trade-offs between Migration and Reproduction Are Mediated by the Nutrition-Sensitive Insulin-Signaling Pathway. <i>International Journal of Biological Sciences</i> , 2016, 12, 607-616. | 6.4 | 36 |

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|----|---|------|-----------|
| 37 | Homozygous mutation of VPS16 gene is responsible for an autosomal recessive adolescent-onset primary dystonia. <i>Scientific Reports</i> , 2016, 6, 25834. | 3.3 | 36 |
| 38 | Survival and fermentation activity of probiotic bacteria and oxidative stability of omega-3 oil in co-microcapsules during storage. <i>Journal of Functional Foods</i> , 2016, 23, 485-496. | 3.4 | 33 |
| 39 | Deficiency of programmed cell death 4 results in increased IL-10 expression by macrophages and thereby attenuates atherosclerosis in hyperlipidemic mice. <i>Cellular and Molecular Immunology</i> , 2016, 13, 524-534. | 10.5 | 33 |
| 40 | Dissection of early transcriptional responses to water stress in <i>Arundo donax</i> L. by unigene-based RNA-seq. <i>Biotechnology for Biofuels</i> , 2016, 9, 54. | 6.2 | 32 |
| 41 | Directing and Potentiating Stem Cell-Mediated Angiogenesis and Tissue Repair by Cell Surface E-Selectin Coating. <i>PLoS ONE</i> , 2016, 11, e0154053. | 2.5 | 31 |
| 42 | CUL4A facilitates hepatocarcinogenesis by promoting cell cycle progression and epithelial-mesenchymal transition. <i>Scientific Reports</i> , 2015, 5, 17006. | 3.3 | 30 |
| 43 | Endovascular Mechanical Thrombectomy with the Solitaire Device for the Treatment of Acute Basilar Artery Occlusion. <i>World Neurosurgery</i> , 2016, 89, 301-308. | 1.3 | 30 |
| 44 | Phomanolides A and B from the Fungus <i>Phoma</i> sp.: Meroterpenoids Derived from a Putative Tropolonic Sesquiterpene via Hetero-Diels-Alder Reactions. <i>Journal of Natural Products</i> , 2015, 78, 3058-3066. | 3.0 | 29 |
| 45 | Discovery of high affinity anti-ricin antibodies by B cell receptor sequencing and by yeast display of combinatorial V _H :V _L libraries from immunized animals. <i>MAbs</i> , 2016, 8, 1035-1044. | 5.2 | 29 |
| 46 | Global-scale profiling of differential expressed lysine acetylated proteins in colorectal cancer tumors and paired liver metastases. <i>Journal of Proteomics</i> , 2016, 142, 24-32. | 2.4 | 28 |
| 47 | Resistance of Wheat Accessions to the English Grain Aphid <i>Sitobion avenae</i> . <i>PLoS ONE</i> , 2016, 11, e0156158. | 2.5 | 28 |
| 48 | Benefits of trade in amber fossils. <i>Nature</i> , 2016, 532, 441-441. | 27.8 | 27 |
| 49 | Target delivery of small interfering RNAs with vitamin E-coupled nanoparticles for treating hepatitis C. <i>Scientific Reports</i> , 2016, 6, 24867. | 3.3 | 27 |
| 50 | Hepatitis B virus X protein amplifies TGF- β 2 promotion on HCC motility through down-regulating PPM1a. <i>Oncotarget</i> , 2016, 7, 33125-33135. | 1.8 | 27 |
| 51 | FOXO links wing form polyphenism and wound healing in the brown planthopper, <i>Nilaparvata lugens</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2016, 70, 24-31. | 2.7 | 26 |
| 52 | Investigation of relationship between lipid and <i>Monascus</i> pigment accumulation by extractive fermentation. <i>Journal of Biotechnology</i> , 2015, 212, 167-173. | 3.8 | 25 |
| 53 | The impact of maternal hypothyroidism during pregnancy on neonatal outcomes: a systematic review and meta-analysis. <i>Gynecological Endocrinology</i> , 2016, 32, 9-13. | 1.7 | 25 |
| 54 | Differential recruitment of UBQLN2 to nuclear inclusions in the polyglutamine diseases HD and SCA3. <i>Neurobiology of Disease</i> , 2015, 82, 281-288. | 4.4 | 24 |

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|----|--|-----|-----------|
| 55 | JNK signaling mediates wing form polymorphism in brown planthoppers (<i>Nilaparvata lugens</i>). <i>Insect Biochemistry and Molecular Biology</i> , 2016, 73, 55-61. | 2.7 | 24 |
| 56 | Biosynthesis of <i>Monascus</i> pigments by resting cell submerged culture in nonionic surfactant micelle aqueous solution. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 7083-7089. | 3.6 | 21 |
| 57 | Comparison of 7.0- and 3.0-T MRI and MRA in ischemic-type moyamoya disease: preliminary experience. <i>Journal of Neurosurgery</i> , 2016, 124, 1716-1725. | 1.6 | 21 |
| 58 | Premethylation of Foreign DNA Improves Integrative Transformation Efficiency in <i>Synechocystis</i> sp. Strain PCC 6803. <i>Applied and Environmental Microbiology</i> , 2015, 81, 8500-8506. | 3.1 | 20 |
| 59 | A description of eleven new species of <i>Agaricus</i> sections <i>Xanthodermatei</i> and <i>Hondenses</i> collected from Tibet and the surrounding areas. <i>Phytotaxa</i> , 2016, 257, 99. | 0.3 | 20 |
| 60 | Loss of the Ubiquitin-conjugating Enzyme UBE2W Results in Susceptibility to Early Postnatal Lethality and Defects in Skin, Immune, and Male Reproductive Systems. <i>Journal of Biological Chemistry</i> , 2016, 291, 3030-3042. | 3.4 | 20 |
| 61 | A family with Robertsonian translocation: a potential mechanism of speciation in humans. <i>Molecular Cytogenetics</i> , 2016, 9, 48. | 0.9 | 19 |
| 62 | 0.2 V 8T SRAM With PVT-Aware Bitline Sensing and Column-Based Data Randomization. <i>IEEE Journal of Solid-State Circuits</i> , 2016, 51, 1487-1498. | 5.4 | 18 |
| 63 | A new damselfly (Odonata: Zygoptera: Platystictidae) from mid-Cretaceous Burmese amber. <i>Cretaceous Research</i> , 2016, 63, 142-147. | 1.4 | 18 |
| 64 | New hemipteran insects (Eoscarterellidae, Scytinopteridae, and Protopsyllidiidae) from the Upper Triassic Potrerillos Formation of Mendoza, Argentina. <i>Palaontologische Zeitschrift</i> , 2016, 90, 49-61. | 1.6 | 18 |
| 65 | Application of Bio-organic Fertilizer to Control Tomato Fusarium Wilt by Manipulating Soil Microbial Communities and Development. <i>Communications in Soil Science and Plant Analysis</i> , 2015, 46, 2311-2322. | 1.4 | 17 |
| 66 | Hypocriols Aâ€“F, Heterodimeric Botryane Ethers from <i>Hypocrea</i> sp., an Insect-Associated Fungus. <i>Journal of Natural Products</i> , 2016, 79, 1848-1856. | 3.0 | 17 |
| 67 | <i>Talaromyces neofusisporus</i> and <i>T. qii</i> , two new species of section <i>Talaromyces</i> isolated from plant leaves in Tibet, China. <i>Scientific Reports</i> , 2016, 6, 18622. | 3.3 | 16 |
| 68 | Discovery of the Jehol Biota from the Celaomiao region and discussion of the Lower Cretaceous of the Bayingebi Basin, northwestern China. <i>Palaeoworld</i> , 2016, 25, 76-83. | 1.1 | 16 |
| 69 | The relationship between defecation and feeding in nestling birds: observational and experimental evidence. <i>Frontiers in Zoology</i> , 2015, 12, 21. | 2.0 | 15 |
| 70 | Suppressing the skinâ€™core structure in injection-molded HDPE parts via the combination of pre-shear and UHMWPE. <i>RSC Advances</i> , 2015, 5, 84483-84491. | 3.6 | 15 |
| 71 | The first fossil Perilestidae (Odonata: Zygoptera) from mid-Cretaceous Burmese amber. <i>Cretaceous Research</i> , 2016, 65, 199-205. | 1.4 | 15 |
| 72 | The click-compatible sugar 6-deoxy-alkynyl glucose metabolically incorporates into <i>Arabidopsis</i> root hair tips and arrests their growth. <i>Phytochemistry</i> , 2016, 123, 16-24. | 2.9 | 15 |

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|----|--|-----|-----------|
| 73 | Temporal and spatial variations in the stable carbon isotope composition and carbon and nitrogen contents in current-season twigs of <i>Tamarix chinensis</i> Lour. and their relationships to environmental factors in the Laizhou Bay wetland in China. <i>Ecological Engineering</i> , 2016, 90, 417-426. | 3.6 | 15 |
| 74 | Mushroom tumor: a new disease on <i>Flammulina velutipes</i> caused by <i>Ochrobactrum pseudogrignonense</i> . <i>FEMS Microbiology Letters</i> , 2016, 363, fnv226. | 1.8 | 13 |
| 75 | Effects of APOE rs429358, rs7412 and GSTM1/GSTT1 Polymorphism on Plasma and Erythrocyte Antioxidant Parameters and Cognition in Old Chinese Adults. <i>Nutrients</i> , 2015, 7, 8261-8273. | 4.1 | 12 |
| 76 | Absolute configuration assignment of an unusual homoisoflavanone from <i>Polygonum ferrugineum</i> using a combination of chiroptical methods. <i>Tetrahedron Letters</i> , 2015, 56, 6142-6144. | 1.4 | 12 |
| 77 | The first Oriental protorhyssaline wasp (Hymenoptera: Braconidae): A new genus and species in Upper Cretaceous amber from Myanmar. <i>Cretaceous Research</i> , 2016, 63, 28-32. | 1.4 | 12 |
| 78 | ANXA11 regulates the tumorigenesis, lymph node metastasis and 5-fluorouracil sensitivity of murine hepatocarcinoma Hca-P cells by targeting c-Jun. <i>Oncotarget</i> , 2016, 7, 16297-16310. | 1.8 | 12 |
| 79 | Suppression of established hepatocarcinoma in adjuvant only immunotherapy: alum triggers anti-tumor CD8+ T cell response. <i>Scientific Reports</i> , 2015, 5, 17695. | 3.3 | 11 |
| 80 | Design and synthesis of natural product derivatives with selective and improved cytotoxicity based on a sesquiterpene scaffold. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 1885-1888. | 2.2 | 11 |
| 81 | Immuno-potentiating pathway of HBsAg-HBIG immunogenic complex visualized. <i>Human Vaccines and Immunotherapeutics</i> , 2016, 12, 77-84. | 3.3 | 11 |
| 82 | Longitudinal assessment of fractional anisotropy alterations caused by simian immunodeficiency virus infection: a preliminary diffusion tensor imaging study. <i>Journal of NeuroVirology</i> , 2016, 22, 231-239. | 2.1 | 11 |
| 83 | Limits on efficient human mindreading: Convergence across Chinese adults and German children. <i>British Journal of Psychology</i> , 2015, 106, 724-740. | 2.3 | 10 |
| 84 | Decreased Lamina Cribrosa Beam Thickness and Pore Diameter Relative to Distance From the Central Retinal Vessel Trunk. , 2016, 57, 3088. | | 10 |
| 85 | Nanoparticles-in-concavities as efficient nanocatalysts for carbon dioxide reforming of methane to hydrogen and syngas. <i>Catalysis Science and Technology</i> , 2016, 6, 4565-4576. | 4.1 | 10 |
| 86 | Naturally-Acquired Immune Response against <i>Plasmodium vivax</i> Rhoptry-Associated Membrane Antigen. <i>PLoS ONE</i> , 2016, 11, e0148723. | 2.5 | 9 |
| 87 | Neonatal kaposiform hemangioendothelioma of the spleen associated with Kasabach-Merritt phenomenon. <i>Journal of Pediatric Surgery</i> , 2016, 51, 1047-1050. | 1.6 | 8 |
| 88 | A novel missense mutation of <i>TNNI2</i> in a Chinese family cause distal arthrogyrosis type 1. <i>American Journal of Medical Genetics, Part A</i> , 2016, 170, 135-141. | 1.2 | 8 |
| 89 | An endoparasitoid Cretaceous fly and the evolution of parasitoidism. <i>Die Naturwissenschaften</i> , 2016, 103, 2. | 1.6 | 8 |
| 90 | Deposition of BACE-1 Protein in the Brains of APP/PS1 Double Transgenic Mice. <i>BioMed Research International</i> , 2016, 2016, 1-9. | 1.9 | 7 |

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|-----|---|-----|-----------|
| 91 | Exome sequencing identifies a novel nonsense mutation of HOXD13 in a Chinese family with synpolydactyly. <i>Congenital Anomalies (discontinued)</i> , 2017, 57, 4-7. | 0.6 | 6 |
| 92 | Comparative outcomes of carotid artery stenting for asymptomatic and symptomatic carotid artery stenosis: a single-center prospective study. <i>Journal of NeuroInterventional Surgery</i> , 2016, 8, 126-129. | 3.3 | 5 |
| 93 | The chloroplast genome sequence of an important medicinal plant <i>Dioscorea nipponica</i> . <i>Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis</i> , 2016, 27, 2559-2560. | 0.7 | 4 |
| 94 | An S_{4-} -symmetric mixed-valent decacopper cage comprised of $[Cu^{II}(L-S_2N_2)]$ complexes bridged by $Cu^{I}(MeCN)_n$ ($n = 1$ or 2) cations. <i>Dalton Transactions</i> , 2016, 45, 2997-3002. | 3.3 | 4 |
| 95 | Outcomes of 13 ICSI-PGD cycles with ejaculated spermatozoa in patients with Klinefelter syndrome. <i>Asian Journal of Andrology</i> , 2016, 18, 498. | 1.6 | 4 |
| 96 | A new species of <i>Scleroramularia</i> associated with sooty blotch and flyspeck in Southern China. <i>Phytotaxa</i> , 2015, 226, 261. | 0.3 | 3 |
| 97 | Oligomerization of Cry9Aa in solution without receptor binding, is not related with insecticidal activity. <i>Electronic Journal of Biotechnology</i> , 2016, 21, 54-57. | 2.2 | 3 |
| 98 | Cross-sectional data on alcohol and marijuana use and sexual behavior among male and female secondary school students in New Providence, The Bahamas. <i>International Journal of Adolescent Medicine and Health</i> , 2016, 28, 133-140. | 1.3 | 3 |
| 99 | A novel GJA1 mutation identified by whole exome sequencing in a Chinese family with autosomal dominant syndactyly. <i>Clinica Chimica Acta</i> , 2016, 459, 73-78. | 1.1 | 3 |
| 100 | Physiologically distinct neuronal type in primate cortex. <i>Oncotarget</i> , 2015, 6, 16820-16821. | 1.8 | 0 |