

# Junbao Yu

## List of Publications by Year in descending order

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91  
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docs citations

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citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Determination of 16 polycyclic aromatic hydrocarbons in environmental water samples by solid-phase extraction using multi-walled carbon nanotubes as adsorbent coupled with gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2010, 1217, 5462-5469. | 3.7  | 229       |
| 2  | Determination of 16 polycyclic aromatic hydrocarbons in seawater using molecularly imprinted solid-phase extraction coupled with gas chromatography-mass spectrometry. <i>Talanta</i> , 2012, 99, 75-82.  | 5.5  | 149       |
| 3  | The spatial distribution characteristics of soil salinity in coastal zone of the Yellow River Delta. <i>Environmental Earth Sciences</i> , 2014, 72, 589-599.   | 2.7  | 127       |
| 4  | Metabolic responses in gills of Manila clam <i>Ruditapes philippinarum</i> exposed to copper using NMR-based metabolomics. <i>Marine Environmental Research</i> , 2011, 72, 33-39.  | 2.5  | 99        |
| 5  | Bacterial community structure and function shift along a successional series of tidal flats in the Yellow River Delta. <i>Scientific Reports</i> , 2016, 6, 36550.  | 3.3  | 99        |
| 6  | Proteomic and metabolomic analysis reveal gender-specific responses of mussel <i>Mytilus galloprovincialis</i> to 2,2,4,4-tetrabromodiphenyl ether (BDE 47). <i>Aquatic Toxicology</i> , 2013, 140-141, 449-457.  | 4.0  | 94        |
| 7  | Differential toxicological effects induced by mercury in gills from three pedigrees of Manila clam <i>Ruditapes philippinarum</i> by NMR-based metabolomics. <i>Ecotoxicology</i> , 2011, 20, 177-186.  | 2.4  | 89        |
| 8  | Pathways of cadmium fluxes in the root of the halophyte <i>Suaeda salsa</i> . <i>Ecotoxicology and Environmental Safety</i> , 2012, 75, 1-7.  | 6.0  | 78        |
| 9  | Ecosystem photosynthesis regulates soil respiration on a diurnal scale with a short-term time lag in a coastal wetland. <i>Soil Biology and Biochemistry</i> , 2014, 68, 85-94.   | 8.8  | 76        |
| 10 | Effect of salinity on soil respiration in relation to dissolved organic carbon and microbial characteristics of a wetland in the Liaohe River estuary, Northeast China. <i>Science of the Total Environment</i> , 2018, 642, 946-953.   | 8.0  | 73        |
| 11 | Effects of episodic flooding on the net ecosystem CO <sub>2</sub> exchange of a supratidal wetland in the Yellow River Delta. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2015, 120, 1506-1520.  | 3.0  | 70        |
| 12 | Toxicological responses to acute mercury exposure for three species of Manila clam <i>Ruditapes philippinarum</i> by NMR-based metabolomics. <i>Environmental Toxicology and Pharmacology</i> , 2011, 31, 323-332.  | 4.0  | 69        |
| 13 | Benzo(a)pyrene-induced metabolic responses in Manila clam <i>Ruditapes philippinarum</i> by proton nuclear magnetic resonance (1H NMR) based metabolomics. <i>Environmental Toxicology and Pharmacology</i> , 2011, 32, 218-25.   | 4.0  | 67        |
| 14 | Proteomic and metabolomic responses of clam <i>Ruditapes philippinarum</i> to arsenic exposure under different salinities. <i>Aquatic Toxicology</i> , 2013, 136-137, 91-100.   | 4.0  | 65        |
| 15 | Responses of Seed Germination, Seedling Growth, and Seed Yield Traits to Seed Pretreatment in Maize ( <i>Zea mays</i> L.). <i>Scientific World Journal</i> , The, 2014, 2014, 1-8.  | 2.1  | 65        |
| 16 | The Pd-catalyzed hydrodechlorination of chlorophenols in aqueous solutions under mild conditions: A promising approach to practical use in wastewater. <i>Journal of Hazardous Materials</i> , 2009, 169, 1029-1033.  | 12.4 | 64        |
| 17 | Metabolic profiling of cadmium-induced effects in one pioneer intertidal halophyte <i>Suaeda salsa</i> by NMR-based metabolomics. <i>Ecotoxicology</i> , 2011, 20, 1422-1431.   | 2.4  | 64        |
| 18 | Vegetative Ecological Characteristics of Restored Reed ( <i>Phragmites australis</i> ) Wetlands in the Yellow River Delta, China. <i>Environmental Management</i> , 2012, 49, 325-333.  | 2.7  | 62        |

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|----|---|-----|-----------|
| 19 | Environmental Controls on Net Ecosystem CO <sub>2</sub> Exchange Over a Reed ( <i>Phragmites australis</i> ) Wetland in the Yellow River Delta, China. <i>Estuaries and Coasts</i> , 2013, 36, 401-413.   | 2.2 | 60        |
| 20 | Proteomic and metabolomic analysis of earthworm <i>Eisenia fetida</i> exposed to different concentrations of 2,2,4,4-tetrabromodiphenyl ether. <i>Journal of Proteomics</i> , 2013, 91, 405-416.  | 2.4 | 58        |
| 21 | Agricultural reclamation effects on ecosystem CO <sub>2</sub> exchange of a coastal wetland in the Yellow River Delta. <i>Agriculture, Ecosystems and Environment</i> , 2014, 196, 187-198.   | 5.3 | 58        |
| 22 | Distribution of carbon, nitrogen and phosphorus in coastal wetland soil related land use in the Modern Yellow River Delta. <i>Scientific Reports</i> , 2016, 6, 37940.  | 3.3 | 58        |
| 23 | A Meta-Analysis of the Bacterial and Archaeal Diversity Observed in Wetland Soils. <i>Scientific World Journal</i> , The, 2014, 2014, 1-12.   | 2.1 | 57        |
| 24 | Short-term effects of copper, cadmium and cypermethrin on dehydrogenase activity and microbial functional diversity in soils after long-term mineral or organic fertilization. <i>Agriculture, Ecosystems and Environment</i> , 2009, 129, 450-456. | 5.3 | 54        |
| 25 | Physiological Responses of Halophyte <i>Suaeda salsa</i> to Water Table and Salt Stresses in Coastal Wetland of Yellow River Delta. <i>Clean - Soil, Air, Water</i> , 2011, 39, 1029-1035.  | 1.1 | 51        |
| 26 | An Integrated Proteomic and Metabolomic Study on the Chronic Effects of Mercury in <i>Suaeda salsa</i> under an Environmentally Relevant Salinity. <i>PLoS ONE</i> , 2013, 8, e64041.   | 2.5 | 47        |
| 27 | Cooling-induced fractionation of mantle Li isotopes from the ultraslow-spreading Gakkel Ridge. <i>Earth and Planetary Science Letters</i> , 2011, 301, 231-240.   | 4.4 | 45        |
| 28 | Effects of Salinity on Metabolic Profiles, Gene Expressions, and Antioxidant Enzymes in Halophyte <i>Suaeda salsa</i> . <i>Journal of Plant Growth Regulation</i> , 2012, 31, 332-341.  | 5.1 | 45        |
| 29 | Effects of Salinity and Water Depth on Germination of <i>Phragmites australis</i> in Coastal Wetland of the Yellow River Delta. <i>Clean - Soil, Air, Water</i> , 2012, 40, 1154-1158.  | 1.1 | 42        |
| 30 | Catalytic hydrodechlorination reactivity of monochlorophenols in aqueous solutions over palladium/carbon catalyst. <i>Catalysis Communications</i> , 2009, 10, 456-458.   | 3.3 | 39        |
| 31 | Biogeochemical Characterizations and Reclamation Strategies of Saline Sodic Soil in Northeastern China. <i>Clean - Soil, Air, Water</i> , 2010, 38, 1010-1016.  | 1.1 | 37        |
| 32 | Dual effect of precipitation redistribution on net ecosystem CO <sub>2</sub> exchange of a coastal wetland in the Yellow River Delta. <i>Agricultural and Forest Meteorology</i> , 2018, 249, 286-296.  | 4.8 | 37        |
| 33 | Changes in plant biomass induced by soil moisture variability drive interannual variation in the net ecosystem CO <sub>2</sub> exchange over a reclaimed coastal wetland. <i>Agricultural and Forest Meteorology</i> , 2019, 264, 138-148.          | 4.8 | 36        |
| 34 | Impacts of inland pollution input on coastal water quality of the Bohai Sea. <i>Science of the Total Environment</i> , 2021, 765, 142691.   | 8.0 | 35        |
| 35 | Regulation of Metabolites, Gene Expression, and Antioxidant Enzymes to Environmentally Relevant Lead and Zinc in the Halophyte <i>Suaeda salsa</i> . <i>Journal of Plant Growth Regulation</i> , 2013, 32, 353-361.                                 | 5.1 | 34        |
| 36 | Vegetation Types Alter Soil Respiration and Its Temperature Sensitivity at the Field Scale in an Estuary Wetland. <i>PLoS ONE</i> , 2014, 9, e91182.  | 2.5 | 34        |

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|----|--|-----|-----------|
| 37 | Transcriptional regulation of selenium-dependent glutathione peroxidase from <i>Venerupis philippinarum</i> in response to pathogen and contaminants challenge. <i>Fish and Shellfish Immunology</i> , 2011, 31, 831-837.  | 3.6 | 33        |
| 38 | The ecological adaptability of <i>Phragmites australis</i> to interactive effects of water level and salt stress in the Yellow River Delta. <i>Aquatic Ecology</i> , 2017, 51, 107-116.  | 1.5 | 33        |
| 39 | Environmental threats induced heavy ecological burdens on the coastal zone of the Bohai Sea, China. <i>Science of the Total Environment</i> , 2021, 765, 142694.   | 8.0 | 33        |
| 40 | Fractal features of soil particle size distribution in newly formed wetlands in the Yellow River Delta. <i>Scientific Reports</i> , 2015, 5, 10540.  | 3.3 | 32        |
| 41 | Toxicological responses in halophyte <i>Suaeda salsa</i> to mercury under environmentally relevant salinity. <i>Ecotoxicology and Environmental Safety</i> , 2012, 85, 64-71.  | 6.0 | 31        |
| 42 | Influences of anthropogenic cultivation on C, N and P stoichiometry of reed-dominated coastal wetlands in the Yellow River Delta. <i>Geoderma</i> , 2014, 235-236, 227-232.  | 5.1 | 31        |
| 43 | Assessment of Clam <i>Ruditapes philippinarum</i> as Heavy Metal Bioindicators Using NMR-Based Metabolomics. <i>Clean - Soil, Air, Water</i> , 2011, 39, 759-766.  | 1.1 | 28        |
| 44 | Spatiotemporal Distribution Characteristics of Soil Organic Carbon in Newborn Coastal Wetlands of the Yellow River Delta Estuary. <i>Clean - Soil, Air, Water</i> , 2014, 42, 311-318.   | 1.1 | 28        |
| 45 | Changes of Soil Particle Size Distribution in Tidal Flats in the Yellow River Delta. <i>PLoS ONE</i> , 2015, 10, e0121368.   | 2.5 | 28        |
| 46 | Enhanced net formations of nitrous oxide and methane underneath the frozen soil in Sanjiang wetland, northeastern China. <i>Journal of Geophysical Research</i> , 2007, 112, .   | 3.3 | 27        |
| 47 | NMR-Based Metabolomic Investigations on the Differential Responses in Adductor Muscles from Two Pedigrees of Manila Clam <i>Ruditapes philippinarum</i> to Cadmium and Zinc. <i>Marine Drugs</i> , 2011, 9, 1566-1579.   | 4.6 | 26        |
| 48 | The influence of ion effects on the Pd-catalyzed hydrodechlorination of 4-chlorophenol in aqueous solutions. <i>Catalysis Communications</i> , 2009, 10, 1443-1445.  | 3.3 | 25        |
| 49 | Variations in Soil Bacterial Composition and Diversity in Newly Formed Coastal Wetlands. <i>Frontiers in Microbiology</i> , 2018, 9, 3256.   | 3.5 | 25        |
| 50 | Identification and expression profile of a new cytochrome P450 isoform (CYP414A1) in the hepatopancreas of <i>Venerupis (Ruditapes) philippinarum</i> exposed to benzo[a]pyrene, cadmium and copper. <i>Environmental Toxicology and Pharmacology</i> , 2012, 33, 85-91. | 4.0 | 23        |
| 51 | Effects of Urbanization Expansion on Landscape Pattern and Region Ecological Risk in Chinese Coastal City: A Case Study of Yantai City. <i>Scientific World Journal</i> , The, 2014, 2014, 1-9.  | 2.1 | 23        |
| 52 | Toxicological effects of environmentally relevant lead and zinc in halophyte <i>Suaeda salsa</i> by NMR-based metabolomics. <i>Ecotoxicology</i> , 2012, 21, 2363-2371.  | 2.4 | 22        |
| 53 | Decomposition and nutrient dynamics of marsh litter in the Sanjiang Plain, Northeast China. <i>Acta Ecologica Sinica</i> , 2006, 26, 1297-1301.  | 1.9 | 20        |
| 54 | The Ecological Restoration of Heavily Degraded Saline Wetland in the Yellow River Delta. <i>Clean - Soil, Air, Water</i> , 2013, 41, 690-696.  | 1.1 | 20        |

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|----|--|------|-----------|
| 55 | Toxicological Effects Induced by Cadmium in Gills of Manila Clam <i>Ruditapes philippinarum</i> Using NMR-Based Metabolomics. <i>Clean - Soil, Air, Water</i> , 2011, 39, 989-995.                                   | 1.1  | 19        |
| 56 | Biogenic nitric oxide emission from saline sodic soils in a semiarid region, northeastern China: A laboratory study. <i>Journal of Geophysical Research</i> , 2008, 113, .   | 3.3  | 18        |
| 57 | Winter Soil Respiration from Different Vegetation Patches in the Yellow River Delta, China. <i>Environmental Management</i> , 2012, 50, 39-49.   | 2.7  | 18        |
| 58 | Effects of N Fertilizer Application on Soil N <sub>2</sub> O Emissions and CH <sub>4</sub> Uptake: A Two-Year Study in an Apple Orchard in Eastern China. <i>Atmosphere</i> , 2017, 8, 181.                          | 2.3  | 17        |
| 59 | Salt Tolerance in Two <i>Suaeda</i> Species: Seed Germination and Physiological Responses. <i>Asian Journal of Plant Sciences</i> , 2010, 9, 194-199.  | 0.4  | 17        |
| 60 | Wet and Dry Atmospheric Depositions of Inorganic Nitrogen during Plant Growing Season in the Coastal Zone of Yellow River Delta. <i>Scientific World Journal</i> , The, 2014, 2014, 1-8.                             | 2.1  | 16        |
| 61 | Salinity-Induced Effects in the Halophyte <i>Suaeda salsa</i> Using NMR-based Metabolomics. <i>Plant Molecular Biology Reporter</i> , 2012, 30, 590-598.   | 1.8  | 14        |
| 62 | Nitrous Oxide Emission from <i>Deyeuxia angustifolia</i> Freshwater Marsh in Northeast China. <i>Environmental Management</i> , 2007, 40, 613-622.   | 2.7  | 13        |
| 63 | Metabolomic Study on the Halophyte <i>Suaeda salsa</i> in the Yellow River Delta. <i>Clean - Soil, Air, Water</i> , 2011, 39, 720-727.   | 1.1  | 13        |
| 64 | Forms and vertical distributions of soil phosphorus in newly formed coastal wetlands in the Yellow River Delta estuary. <i>Land Degradation and Development</i> , 2018, 29, 4219-4226.                               | 3.9  | 13        |
| 65 | Elemental stoichiometry (C, N, P) of soil in the Yellow River Delta nature reserve: Understanding N and P status of soil in the coastal estuary. <i>Science of the Total Environment</i> , 2021, 751, 141737.        | 8.0  | 13        |
| 66 | The influence of salinity on toxicological effects of arsenic in digestive gland of clam <i>Ruditapes philippinarum</i> using metabolomics. <i>Chinese Journal of Oceanology and Limnology</i> , 2013, 31, 345-352.  | 0.7  | 12        |
| 67 | Toxicological proteomic responses of halophyte <i>Suaeda salsa</i> to lead and zinc. <i>Ecotoxicology and Environmental Safety</i> , 2016, 134, 163-171.   | 6.0  | 12        |
| 68 | A Comparison of the Development of Wetland Restoration Techniques in China and Other Nations. <i>Wetlands</i> , 2020, 40, 2755-2764.   | 1.5  | 12        |
| 69 | Biogenic Nitric Oxide Emission of Mountain Soils Sampled from Different Vertical Landscape Zones in the Changbai Mountains, Northeastern China. <i>Environmental Science &amp; Technology</i> , 2010, 44, 4122-4128. | 10.0 | 11        |
| 70 | Effects of Age and Stand Density of Mother Trees on Early <i>Pinus thunbergii</i> Seedling Establishment in the Coastal Zone, China. <i>Scientific World Journal</i> , The, 2014, 2014, 1-9.                         | 2.1  | 10        |
| 71 | Functional Trait Trade-Offs for the Tropical Montane Rain Forest Species Responding to Light from Simulating Experiments. <i>Scientific World Journal</i> , The, 2014, 2014, 1-9.                                    | 2.1  | 9         |
| 72 | Ecological Effects of Roads on the Plant Diversity of Coastal Wetland in the Yellow River Delta. <i>Scientific World Journal</i> , The, 2014, 2014, 1-8.   | 2.1  | 9         |

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|----|--|-----|-----------|
| 73 | Influences of micro-geomorphology on the stoichiometry of C, N and P in Chenier Island soils and plants in the Yellow River Delta, China. PLoS ONE, 2017, 12, e0189431.  | 2.5 | 9         |
| 74 | The fluxes and controlling factors of N <sub>2</sub> O and CH <sub>4</sub> emissions from freshwater marsh in Northeast China. Science China Earth Sciences, 2010, 53, 700-709.  | 5.2 | 8         |
| 75 | Effects of salt stress and nitrogen application on growth and ion accumulation of Suaeda salsa plants., 2011, , .  |     | 8         |
| 76 | Beneficial effects of crab burrowing on the surface soil properties of newly formed mudflats in the Yellow River Delta. Ecohydrology and Hydrobiology, 2020, 20, 548-555.  | 2.3 | 7         |
| 77 | Temperature sensitivity of anaerobic CO <sub>2</sub> production in soils of Phragmites australis marshes with distinct hydrological characteristics in the Yellow River estuary. Ecological Indicators, 2021, 124, 107409. | 6.3 | 7         |
| 78 | Estimating Net Primary Productivity and Nutrient Stock in Plant in Freshwater Marsh, Northeastern China. Clean - Soil, Air, Water, 2010, 38, 1080-1086.  | 1.1 | 6         |
| 79 | Soil Phosphorus Forms and Profile Distributions in the Tidal River Network Region in the Yellow River Delta Estuary. Scientific World Journal, The, 2014, 2014, 1-11.  | 2.1 | 6         |
| 80 | Status of Macrobenthic Community and Its Relationships to Trace Metals and Natural Sediment Characteristics. Clean - Soil, Air, Water, 2013, 41, 1027-1034.  | 1.1 | 5         |
| 81 | Effect of Water Level and Salinity on Metal Fractionation in Sediments of the Yellow River Delta. Wetlands, 2020, 40, 2765-2774.   | 1.5 | 5         |
| 82 | N <sub>2</sub> O Emissions from an Apple Orchard in the Coastal Area of Bohai Bay, China. Scientific World Journal, The, 2014, 2014, 1-8.  | 2.1 | 4         |
| 83 | The evolutionary process of the geomorphology of tidal embayments in southern Jiaodong Peninsula, China. Estuarine, Coastal and Shelf Science, 2017, 194, 182-191.   | 2.1 | 4         |
| 84 | The sediment burial depth and salinity control the early developments of Suaeda salsa in the Yellow River Delta. Nordic Journal of Botany, 2021, 39, .   | 0.5 | 4         |
| 85 | Pollution levels and toxicity risks of heavy metals in different reed wetland soils following channel diversion in the Yellow River Delta. Wetlands, 2022, 42, 1.  | 1.5 | 4         |
| 86 | Distribution and Influencing Factors of Metals in Surface Soil from the Yellow River Delta, China. Land, 2022, 11, 523.  | 2.9 | 4         |
| 87 | Influence of Gate Dams on Yellow River Delta Wetlands. Land, 2022, 11, 706.  | 2.9 | 4         |
| 88 | Dynamic variation of nitrogen content in the Second Songhua River. Chinese Geographical Science, 1999, 9, 368-372.   | 3.0 | 3         |
| 89 | Responses of soil nutrient contents and eco-stoichiometric characteristics to fiddler crab activities in coastal wetland of the yellow river delta. Ecohydrology and Hydrobiology, 2022, , .                               | 2.3 | 3         |
| 90 | Effects of Different Vegetation Zones on CH <sub>4</sub> and N <sub>2</sub> O Emissions in Coastal Wetlands: A Model Case Study. Scientific World Journal, The, 2014, 2014, 1-7.   | 2.1 | 2         |

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|----|---|-----|-----------|
| 91 | Water isotope technology application for sustainable eco-environmental construction: Effects of landscape characteristics on water yield in the alpine headwater catchments of Tibetan Plateau for sustainable eco-environmental construction. <i>Ecological Engineering</i> , 2015, 74, 241-249. | 3.6 | 2         |