

2025 年重庆市科学技术奖提名公示内容

一、项目名称: 三峡库区紫色土团聚体形成与稳定的电化学机制

二、提名单位: 重庆市永川区人民政府

三、代表性论文专著目录

1.Ding, WQ (Ding, Wuquan);Liu, XM (Liu, Xinmin);Hu, FN (Hu, Feinan);Zhu, HL (Zhu, Hualing);Luo, YX (Luo, Yaxue);Li, S (Li, Song);Li, H (Li, Hang), How the particle interaction forces determine soil water infiltration: Specific ion effects, JOURNAL OF HYDROLOGY,2019,568,492-500.

2.Liu, XM (Liu, Xinmin) ;Feng, B (Feng, Bo) ;Tian, R (Tian,Rui) ;Li, R(Li Rui) ;Tang, Y(Tang,Ying) ;Wu, LS (Wu,Laosheng);Ding, WQ (Ding, Wuquan) ;Li, H(Li, Hang) , Electrical double layer interactions between soil colloidal particles: Polarization of water molecule and counterion, GEODERMA,2020,380,114693 .

3.Hu, FN (Hu, Feinan);Liu, JF (Liu, Jingfang);Xu, CY (Xu, Chenyang);Wang, ZL (Wang, Zilong);Liu, G (Liu, Gang);Li, H (Li, Hang);Zhao, SW (Zhao, Shiwei), Soil internal forces initiate aggregate breakdown and splash erosion, GEODERMA,2018,320,43-51.

4.Liu, XM (Liu, Xinmin);Tian, R(Tian, Rui) ;Du, W(Du Wei) ;Li, R (Li Rui);Ding, WQ(Ding Wuquan) ;Li, H(Li Hang) , A theory to determine the surface potentials of clay particles in electrolyte solutions, APPLIED CLAY SCIENCE,2019,169,112-119.

5.丁武泉;李强;李航, 表面电位对三峡库区细颗粒泥沙絮凝沉降的影响, 土壤学报,2010,47,04,698-702.

四、主要完成人

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