

附件：

重庆市 2023 年度国家科学技术奖 专家提名项目

项目名称：岩石裂纹演化的定量表征方法及其非局部计算理论

提名者：潘一山（辽宁大学）

提名奖种：国家自然科学奖

代表性论文目录：

- 1.Zhou XP, Zhang JZ, Qian QH, Niu Y, 2019. Experimental investigation of progressive cracking processes in granite under uniaxial loading using digital imaging and AE techniques. Journal of Structural Geology. 2019,126:129 - 145
2. Zhou XP, Cheng H, Feng YF. An experimental study of crack coalescence behaviour in rock-like materials containing multiple flaws under uniaxial compression. Rock Mechanics and Rock Engineering. 2014, 47:1961 - 1986
3. Zhou XP, Bi J, Qian QH. Numerical simulation of crack growth and coalescence in rock-like materials Containing multiple pre-existing flaws. Rock Mechanics and Rock Engineering. 2015,48:1097 - 1114
4. Wang YT, Zhou XP, Xu X. Numerical simulation of propagation and

coalescence of flaws in rock materials under compressive loads using the extended non-ordinary state-based peridynamics. *Engineering Fracture Mechanics*. 2016, 163:248–273

5. Wang YT, Zhou XP, Wang Y, Shou YD. A 3-D conjugated bond-pair-based peridynamic formulation for initiation and propagation of cracks in brittle solids. *International Journal of Solids and Structures*. 2018, 134:89–115

主要完成人：周小平（重庆大学）