

Supporting Information

Composition-structure-property relationships of the CaO-M_xO_y-SiO₂-P₂O₅ (M=Zr, Mg, Sr) mesoporous bioactive glasses (MBGs) scaffolds

Yufang Zhu^{a,b*}, Xianglan Li^c, Junhe Yang^a, Shulin Wang^a, Nobutaka Hanagata^c, Hong Gao^b

a) School of Materials Science and Engineering, University of Shanghai for Science and Technology, 516 Jungong Road, Shanghai, 200093, P. R. China. Email: zjf2412@163.com

b) International Center for Young Scientists, National Institute for Materials Science, 1-2-1 Sengen, Tsukuba, Ibaraki 305-0047, Japan.

c) Nanotechnology Innovation Center, National Institute for Materials Science, 1-2-1 Sengen, Tsukuba, Ibaraki, 305-0047, Japan.

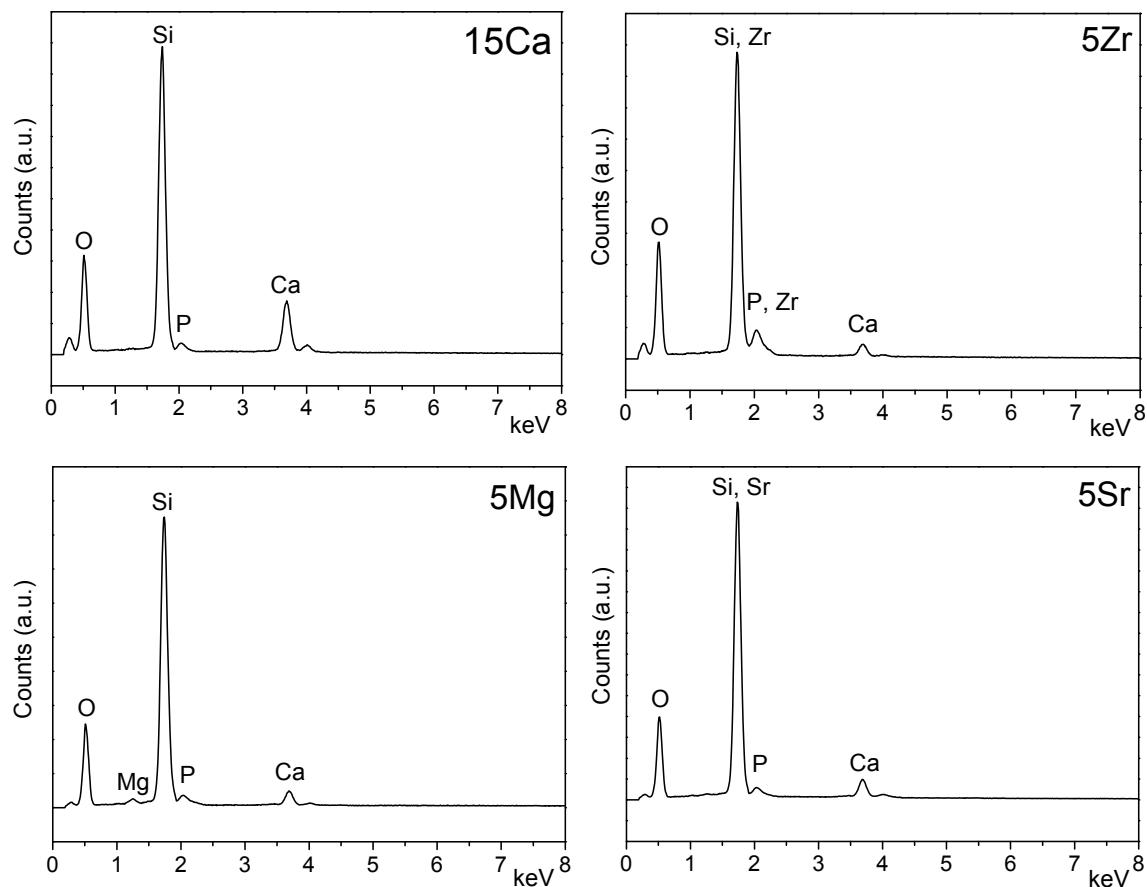


Figure S1 EDS measurements for the the CaO-M_xO_y-SiO₂-P₂O₅ MBGs scaffolds.

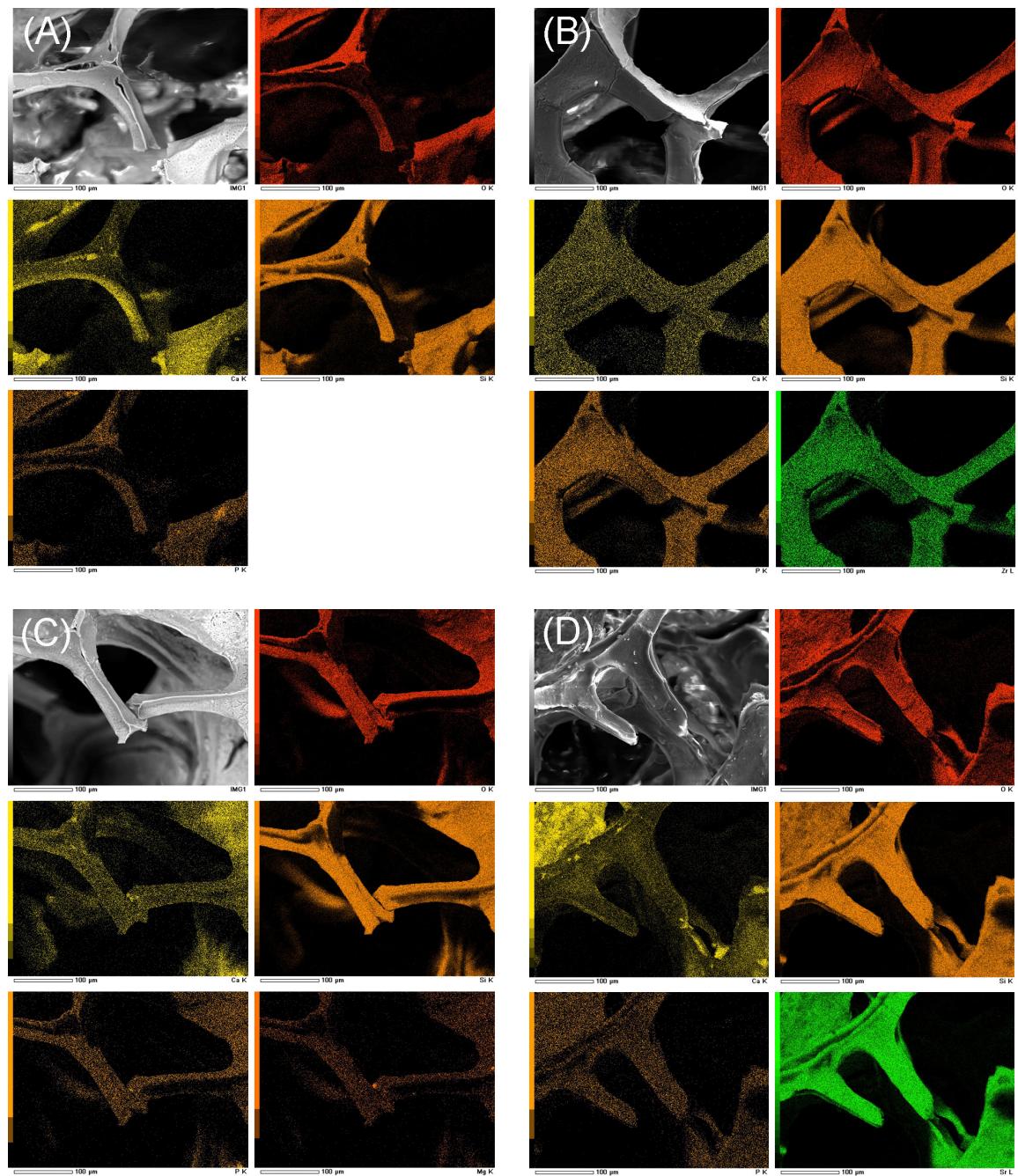


Figure S2 Element mappings of the CaO-M_xO_y-SiO₂-P₂O₅ MBGs scaffolds (A: 15Ca; B: 5Zr; C: 5Mg; D: 5Sr).

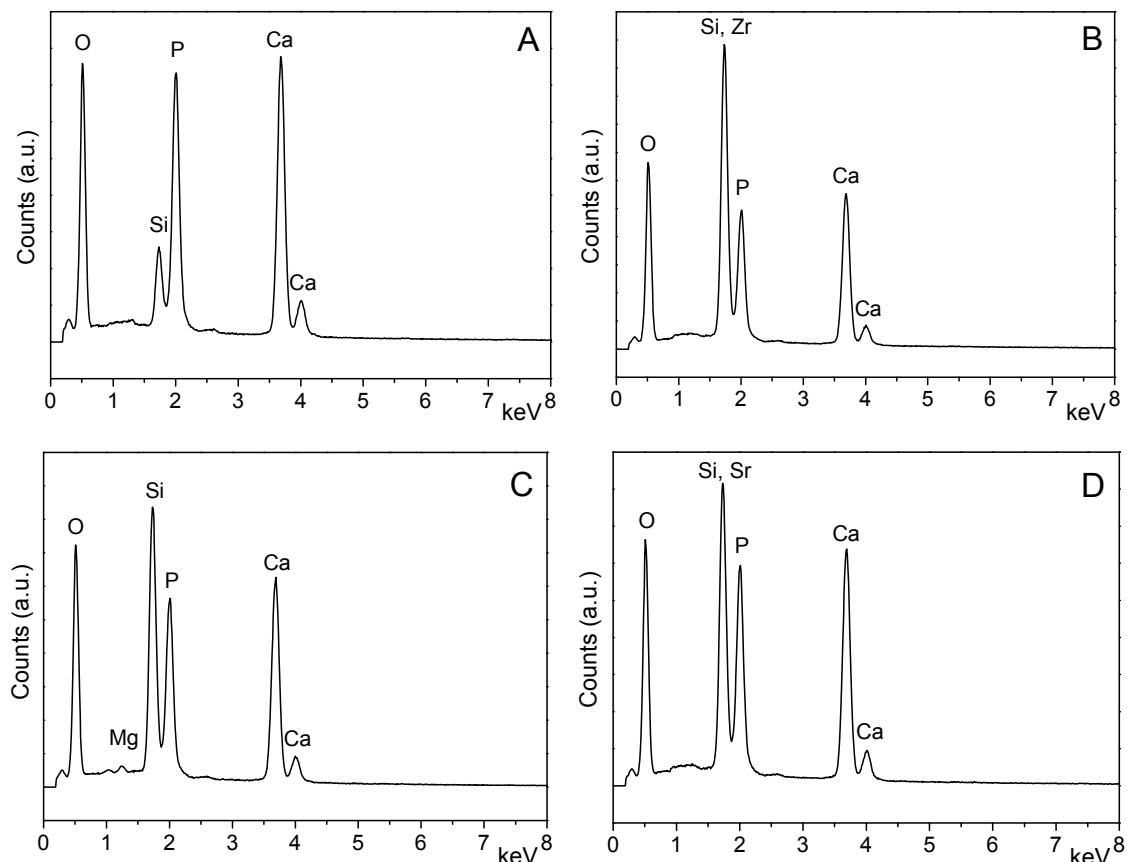


Figure S3 EDS measurements for the the $\text{CaO}-\text{M}_x\text{O}_y-\text{SiO}_2-\text{P}_2\text{O}_5$ MBGs scaffolds after soaking in SBF for 3 days (A: 15Ca; B: 5Zr; C: 5Mg; D: 5Sr).