

Supplementary materials

Stone/coating interaction and durability of Si-based photocatalytic nanocomposites applied to porous lithotypes

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Table S1. Microstructural features of lithotypes: total open porosity (vol%), average pore diameter (μm), pore surface area (m²/g) and bulk density (g/cm³). Data obtained from Mercury Intrusion Porosimetry measurements on 2 specimens per lithotype.

	Open porosity	Av. pore diameter	Pore surface area	Bulk density
Ajarte	23.5±0.4	0.17±0.03	2.7±0.5	2.08±0.01
Obernkirchen	24.1±0.1	0.8±0.3	0.7±0.3	2.08±0.06

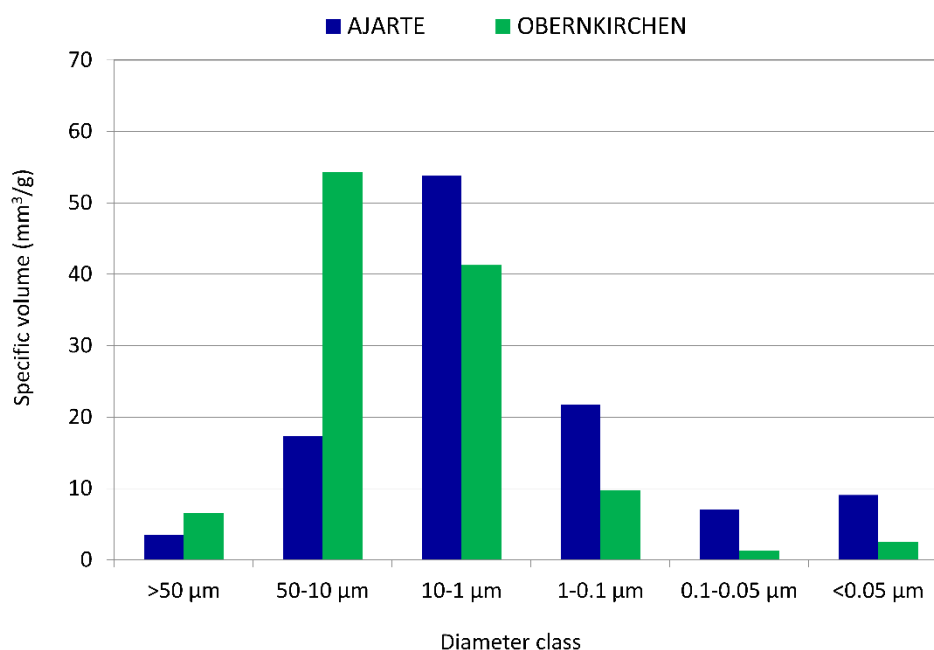


Figure S1. Pore-size distribution of lithotypes (from Mercury Intrusion Porosimetry measurements).

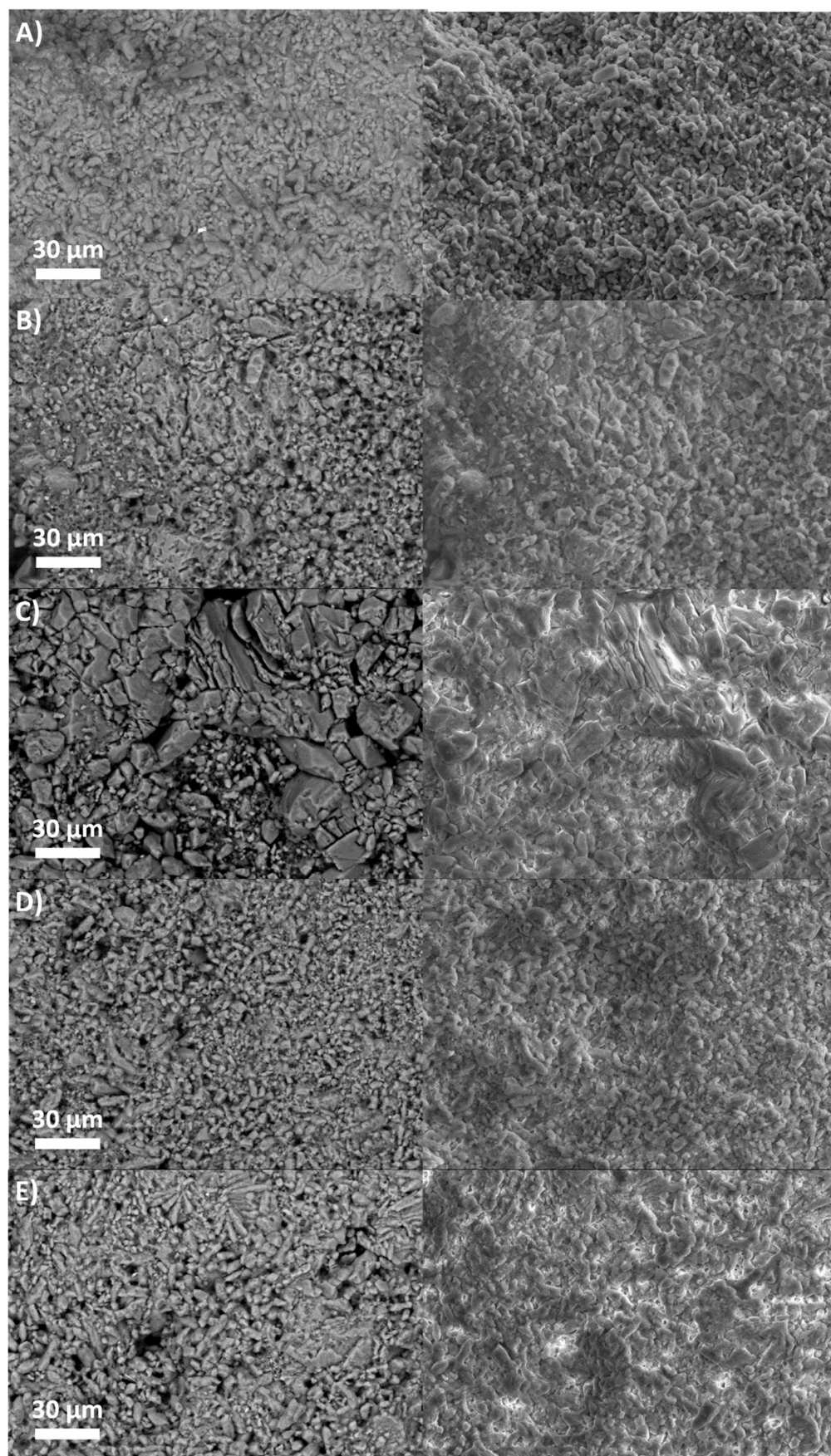


Figure S2. SEM images of Ajarte stone in BSE (left) and SE (right) mode: *untreated* (A) and *treated* with WNC (B), m-WNC (C), ANC (D), m-ANC (E).

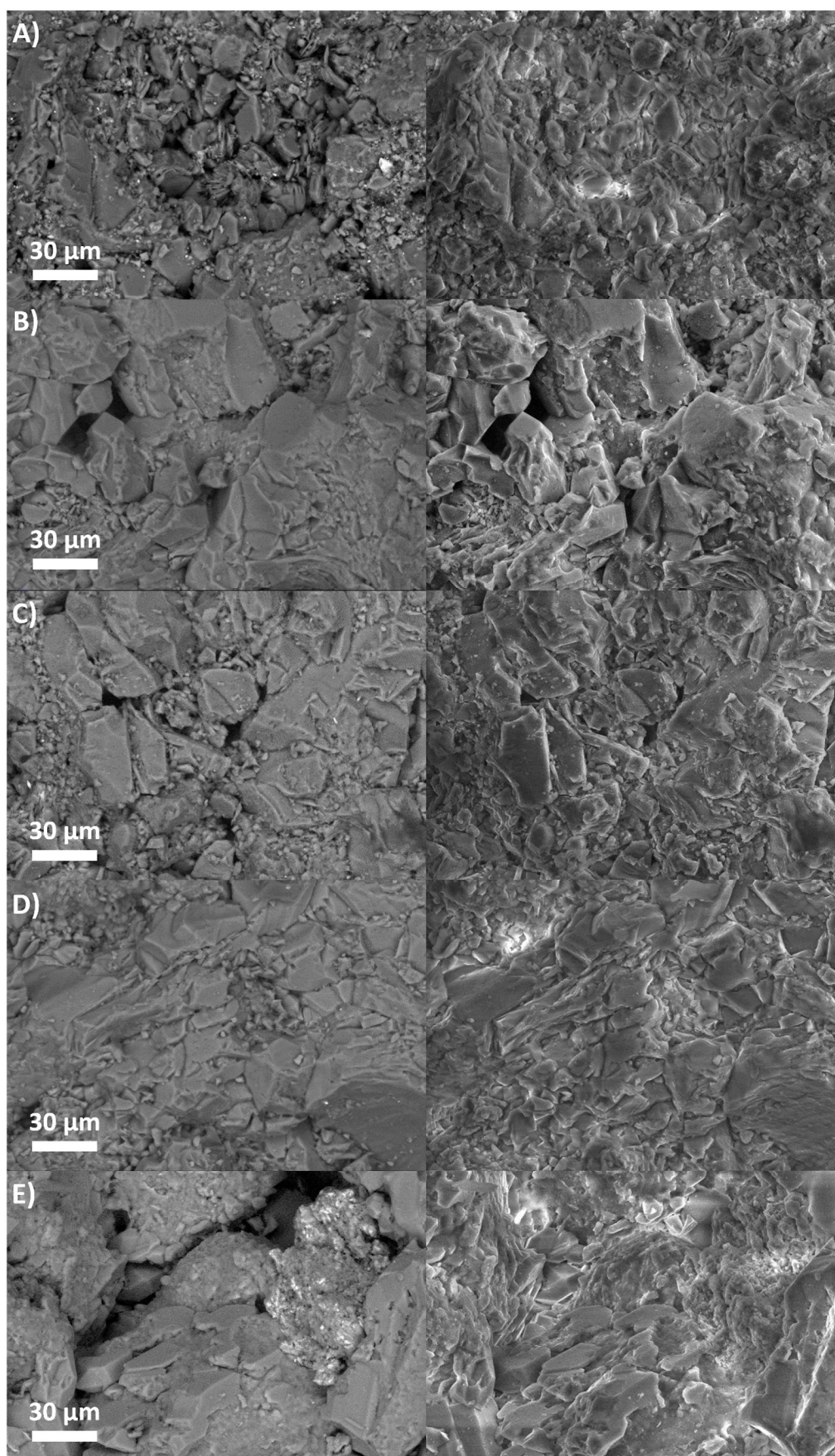


Figure S3. SEM images of Obernkirchen stone in BSE (left) and SE (right) mode: untreated (A) and treated with WNC (B), m-WNC (C), ANC (D), m-ANC (E).

