

Title (en)
ORGANOMETALLIC FRAMEWORK MATERIALS OF TRANSITION GROUP III

Title (de)
METALLORGANISCHE GERÜSTMATERIALIEN DER III. NEBENGRUPPE

Title (fr)
MATERIAUX STRUCTURELS METALLO-ORGANIQUES DU SOUS-GROUPE III

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Application
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Abstract (en)
[origin: CA2630035A1] The present invention relates to processes for preparing a porous organometallic framework material, comprising the step of reacting at least one metal compound with at least one at least bidentate organic compound which can bond coordinatively to the metal, in the presence of a non-aqueous organic solvent, the metal being ScIII, YIII or a trivalent lanthanide, and the organic compound having at least two atoms each selected independently from the group consisting of oxygen, sulphur and nitrogen, and via which the organic compound can bond coordinatively to the metal, the reaction taking place with stirring and at a pressure of not more than 2 bar (absolute). The invention further relates to porous organometallic framework materials which have been prepared by this process, and also to their use.

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See references of WO 2007057391A1

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