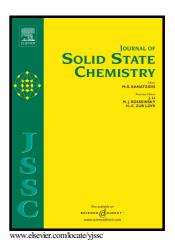
## Author's Accepted Manuscript

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### **ACCEPTED MANUSCRIPT**

## Encapsulation of Keggin-type manganese-polyoxomolybdates in MIL-100

## (Fe) for efficient reduction of p-nitrophenol

Waqas Ali Shah<sup>a1</sup>, Laila Noureen<sup>a1</sup>, Muhammad Arif Nadeem<sup>a1\*</sup>, and Paul Kögerler <sup>b,c\*2</sup>

<sup>a</sup>Department of Chemistry, Quaid-i-Azam University, Islamabad 45320, Pakistan

<sup>b</sup>Institute of Inorganic Chemistry, RWTH Aachen University, Landoltweg 1, 52074 Aachen,

Germany

<sup>c</sup>Jülich-Aachen Research Alliance (JARA-FIT) and Peter Grünberg Institute (PGI-6),

Forschungszentrum Jülich, 52425 Jülich (Germany).

manadeem@qau.edu.pk

paul.koegerler@ac.rwth-aachen.de

#### **Abstract**

Confining polyoxometalates inside the cavities of metal-organic frameworks is a method to utilize these versatile molecular metal oxide clusters as quasi-heterogeneous catalysts and to thereby broaden their applications. In this study, manganese-polyoxomolybdate anions of the Keggin structure type,  $[P^VMo^{VI}_{11}Mn^{II}(H_2O)O_{39}]^{5-}$  (Mn-POM), are encapsulated in an iron(III)-based metal-organic framework (MIL-100) to achieve 30 wt.-% loaded Mn-POM/MIL-100 composite material (1). The composite compound 1 displays excellent catalytic activity for the selective reduction of p-nitrophenol into p-aminophenol (96 %) at 20

<sup>2</sup> +49-241-80-93642

<sup>&</sup>lt;sup>1</sup>+92-51-9064-2062

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