

Global Metal-organic Frameworks Materials Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

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Abstracts

Metal Organic Frameworks (MOFs) also called as Porous Coordination Polymers (PCPs) or coordination networks are crystalline material that can be readily self-assembled from metal ions or metal clusters with organic ligands. They display permanent porosity with the enormous internal surface area and large structural diversity and thus lead to a wide spectrum of applications including gas capture and storage, molecule separations, ion-exchange, drug delivery, sensing, catalysis, luminescence.

Metal-organic frameworks (MOFs) are (often) crystalline materials that possess nanometer-sized cavities and exhibit large internal surface areas (>7000 m²/g) decorable with functional groups.

MOFs are synthesized modularly from molecular building blocks: organic linker molecules and inorganic nodes. owing to the (i) abundance of compatible molecular building blocks, (ii) many topologies in which the building blocks assemble, and (iii) post-synthetic modifiability, the number of possible MOF structures is practically limitless.

According to our (Global Info Research) latest study, the global Metal-organic Frameworks Materials market size was valued at USD million in 2022 and is forecast to a readjusted size of USD million by 2029 with a CAGR of % during review period. The influence of COVID-19 and the Russia-Ukraine War were considered while estimating market sizes.

This report is a detailed and comprehensive analysis for global Metal-organic Frameworks Materials market. Both quantitative and qualitative analyses are presented

by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2023, are provided.

Key Features:

Global Metal-organic Frameworks Materials market size and forecasts, in consumption value (\$ Million), sales quantity (Kg), and average selling prices (USD/Kg), 2018-2029

Global Metal-organic Frameworks Materials market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Kg), and average selling prices (USD/Kg), 2018-2029

Global Metal-organic Frameworks Materials market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Kg), and average selling prices (USD/Kg), 2018-2029

Global Metal-organic Frameworks Materials market shares of main players, shipments in revenue (\$ Million), sales quantity (Kg), and ASP (USD/Kg), 2018-2023

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Metal-organic Frameworks Materials

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Metal-organic Frameworks Materials market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include BASF, MOFapps, Strem Chemicals, MOF Technologies and Framergy, Inc.. etc.

This report also provides key insights about market drivers, restraints, opportunities,

new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Market Segmentation

Metal-organic Frameworks Materials market is split by Type and by Application. For the period 2018-2029, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Zinc-Based

Copper-Based

Iron-Based

Aluminum-Based

Magnesium-Based

Others

Market segment by Application

Gas Storage

Adsorption Separation

Catalytic

Others

Major players covered

BASF

MOFapps

Strem Chemicals

MOF Technologies

Framergy, Inc.

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Metal-organic Frameworks Materials product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Metal-organic Frameworks Materials, with price, sales, revenue and global market share of Metal-organic Frameworks Materials from 2018 to 2023.

Chapter 3, the Metal-organic Frameworks Materials competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Metal-organic Frameworks Materials breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions,

from 2018 to 2029.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2018 to 2029.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2022. and Metal-organic Frameworks Materials market forecast, by regions, type and application, with sales and revenue, from 2024 to 2029.

Chapter 12, market dynamics, drivers, restraints, trends, Porters Five Forces analysis, and Influence of COVID-19 and Russia-Ukraine War.

Chapter 13, the key raw materials and key suppliers, and industry chain of Metal-organic Frameworks Materials.

Chapter 14 and 15, to describe Metal-organic Frameworks Materials sales channel, distributors, customers, research findings and conclusion.

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