

# Global AI-based Metal-organic Framework Supply, Demand and Key Producers, 2023-2029

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## Abstracts

The global AI-based Metal-organic Framework market size is expected to reach \$ million by 2029, rising at a market growth of % CAGR during the forecast period (2023-2029).

Metal organic framework materials or metal organic framework materials (English: Metal Organic Frameworks, abbreviation: MOF) is an important classification of new materials in metal organic materials (MOM). MOFs are one of the hottest areas of research in new inorganic-organic materials because they bring together inorganic and organic chemistry, two often separated chemical disciplines. MOFs consist of metal atoms or atomic clusters coordinated by organic ligands to form one-dimensional, two-dimensional or three-dimensional structures. MOFs can be used in gas adsorption, gas storage, gas separation, catalysts and other fields.

This report studies the global AI-based Metal-organic Framework production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for AI-based Metal-organic Framework, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of AI-based Metal-organic Framework that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global AI-based Metal-organic Framework total production and demand, 2018-2029, (Tons)

Global AI-based Metal-organic Framework total production value, 2018-2029, (USD Million)

Global AI-based Metal-organic Framework production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (Tons)

Global AI-based Metal-organic Framework consumption by region & country, CAGR, 2018-2029 & (Tons)

U.S. VS China: AI-based Metal-organic Framework domestic production, consumption, key domestic manufacturers and share

Global AI-based Metal-organic Framework production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (Tons)

Global AI-based Metal-organic Framework production by Type, production, value, CAGR, 2018-2029, (USD Million) & (Tons)

Global AI-based Metal-organic Framework production by Application production, value, CAGR, 2018-2029, (USD Million) & (Tons)

This reports profiles key players in the global AI-based Metal-organic Framework 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 and Strem Chemicals, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World AI-based Metal-organic Framework market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Tons) and average price (US\$/Ton) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by

year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

#### Global AI-based Metal-organic Framework Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

#### Global AI-based Metal-organic Framework Market, Segmentation by Type

Solvent Method

Liquid Phase Diffusion Method

Other Methods

#### Global AI-based Metal-organic Framework Market, Segmentation by Application

Gas Storage

Gas Adsorption

Gas Separation

Catalyst

Others

#### Companies Profiled:

BASF

MOFapps

Strem Chemicals

#### Key Questions Answered

1. How big is the global AI-based Metal-organic Framework market?
2. What is the demand of the global AI-based Metal-organic Framework market?
3. What is the year over year growth of the global AI-based Metal-organic Framework market?
4. What is the production and production value of the global AI-based Metal-organic Framework market?
5. Who are the key producers in the global AI-based Metal-organic Framework market?
6. What are the growth factors driving the market demand?

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