

# Naseem Ahmed Ramsahye

## List of Publications by Year in descending order

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43  
papers

4,235  
citations

201575

27  
h-index

254106

43  
g-index

45  
all docs

45  
docs citations

45  
times ranked

5719  
citing authors

#	ARTICLE	IF	CITATIONS
1	Large Polyhedral Oligomeric Silsesquioxane Cages: The Isolation of Functionalized POSS with an Unprecedented Si <sub>18</sub> O <sub>27</sub> Core. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 3022-3027.	7.2	27
2	Large Polyhedral Oligomeric Silsesquioxane Cages: The Isolation of Functionalized POSS with an Unprecedented Si <sub>18</sub> O <sub>27</sub> Core. <i>Angewandte Chemie</i> , 2021, 133, 3059-3064.	1.6	3
3	Formation of a Single-Crystal Aluminum-Based MOF Nanowire with Graphene Oxide Nanoscrolls as Structure-Directing Agents. <i>Angewandte Chemie</i> , 2020, 132, 10439-10444.	1.6	1
4	Formation of a Single-Crystal Aluminum-Based MOF Nanowire with Graphene Oxide Nanoscrolls as Structure-Directing Agents. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 10353-10358.	7.2	30
5	Computationally Assisted Assessment of the Metal-Organic Framework/Polymer Compatibility in Composites Integrating a Rigid Polymer. <i>Advanced Theory and Simulations</i> , 2019, 2, 1900116.	1.3	5
6	A phase transformable ultrastable titanium-carboxylate framework for photoconduction. <i>Nature Communications</i> , 2018, 9, 1660.	5.8	128
7	Modeling of Diffusion in MOFs. , 2018, , 63-97.		2
8	Understanding the origins of metal-organic framework/polymer compatibility. <i>Chemical Science</i> , 2018, 9, 315-324.	3.7	153
9	Adsorption and separation of hydrocarbons by the metal organic framework MIL-101(Cr). <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 520, 46-52.	2.3	38
10	Role of MOF surface defects on the microscopic structure of MOF/polymer interfaces: A computational study of the ZIF-8/PIMs systems. <i>Microporous and Mesoporous Materials</i> , 2017, 254, 184-191.	2.2	30
11	Computational exploration of the structure, stability and adsorption properties of the ZIF-9 metal-organic framework. <i>Microporous and Mesoporous Materials</i> , 2017, 254, 170-177.	2.2	8
12	Diffusion of Carbon Dioxide and Nitrogen in the Small-Pore Titanium Bis(phosphonate) Metal-Organic Framework MIL-91 (Ti): A Combination of Quasielastic Neutron Scattering Measurements and Molecular Dynamics Simulations. <i>ChemPhysChem</i> , 2017, 18, 2739-2746.	1.0	11
13	Toward an Understanding of the Microstructure and Interfacial Properties of PIMs/ZIF-8 Mixed Matrix Membranes. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 27311-27321.	4.0	93
14	Microscopic Model of the Metal-Organic Framework/Polymer Interface: A First Step toward Understanding the Compatibility in Mixed Matrix Membranes. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 809-819.	4.0	129
15	Adsorption of Small Molecules in the Porous Zirconium-Based Metal Organic Framework MIL-140A (Zr): A Joint Computational-Experimental Approach. <i>Journal of Physical Chemistry C</i> , 2016, 120, 7192-7200.	1.5	12
16	Computational exploration of the gas adsorption on the iron tetracarboxylate metal-organic framework MIL-102. <i>Molecular Simulation</i> , 2015, 41, 1357-1370.	0.9	14
17	The Structure of the Aluminum Fumarate Metal-Organic Framework A520. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 3664-3668.	7.2	206
18	Diffusion of H <sub>2</sub> , CO <sub>2</sub> , and Their Mixtures in the Porous Zirconium Based Metal-Organic Framework MIL-140A(Zr): Combination of Quasi-Elastic Neutron Scattering Measurements and Molecular Dynamics Simulations. <i>Journal of Physical Chemistry C</i> , 2015, 119, 23978-23989.	1.5	29

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19	Adsorption and separation of xylene isomers vapors onto the chromium terephthalate-based porous material MIL-101(Cr): An experimental and computational study. <i>Microporous and Mesoporous Materials</i> , 2014, 183, 17-22.	2.2	50
20	The effect of pore shape on hydrocarbon selectivity on UiO-66(Zr), HKUST-1 and MIL-125(Ti) metal organic frameworks: Insights from molecular simulations and chromatography. <i>Microporous and Mesoporous Materials</i> , 2014, 189, 222-231.	2.2	54
21	Adsorption and Diffusion of Light Hydrocarbons in UiO-66(Zr): A Combination of Experimental and Modeling Tools. <i>Journal of Physical Chemistry C</i> , 2014, 118, 27470-27482.	1.5	84
22	Diffusion of Light Hydrocarbons in the Flexible MIL-53(Cr) Metal-Organic Framework: A Combination of Quasi-Elastic Neutron Scattering Experiments and Molecular Dynamics Simulations. <i>Journal of Physical Chemistry C</i> , 2014, 118, 14471-14477.	1.5	37
23	Impact of the Flexible Character of MIL-88 Iron(III) Dicarboxylates on the Adsorption of <i>n</i> -Alkanes. <i>Chemistry of Materials</i> , 2013, 25, 479-488.	3.2	65
24	Coadsorption of <i>n</i> -Hexane and Benzene Vapors onto the Chromium Terephthalate-Based Porous Material MIL-101(Cr) An Experimental and Computational Study. <i>Journal of Physical Chemistry C</i> , 2012, 116, 25824-25831.	1.5	20
25	Exploration of the Long-Chain <i>n</i> -Alkanes Adsorption and Diffusion in the MOF-Type MIL-47 (V) Material by Combining Experimental and Molecular Simulation Tools. <i>Journal of Physical Chemistry C</i> , 2011, 115, 13868-13876.	1.5	49
26	Influence of the Organic Ligand Functionalization on the Breathing of the Porous Iron Terephthalate Metal Organic Framework Type Material upon Hydrocarbon Adsorption. <i>Journal of Physical Chemistry C</i> , 2011, 115, 18683-18695.	1.5	50
27	Hydrocarbon adsorption in the isostructural metal organic frameworks MIL-53(Cr) and MIL-47(V). <i>Microporous and Mesoporous Materials</i> , 2011, 140, 114-119.	2.2	34
28	Adsorption of C <sub>5</sub> -C <sub>9</sub> hydrocarbons in microporous MOFs MIL-100(Cr) and MIL-101(Cr): A manometric study. <i>Microporous and Mesoporous Materials</i> , 2010, 134, 134-140.	2.2	65
29	Calculating the energy barriers to sodium cation motion through the six-rings of zeolite Y. <i>Microporous and Mesoporous Materials</i> , 2008, 109, 405-412.	2.2	9
30	Flexible Porous Metal-Organic Frameworks for a Controlled Drug Delivery. <i>Journal of the American Chemical Society</i> , 2008, 130, 6774-6780.	6.6	1,564
31	Probing the Adsorption Sites for CO <sub>2</sub> in Metal Organic Frameworks Materials MIL-53 (Al), Tj ETQq1 1 0.784314 $\mu\text{g BT / Ov}$	1.5	187
32	A multidisciplinary approach to understanding sorption induced breathing in the metal organic framework MIL53(Cr). <i>Studies in Surface Science and Catalysis</i> , 2007, , 1008-1014.	1.5	5
33	On the breathing effect of a metal-organic framework upon CO <sub>2</sub> adsorption: Monte Carlo compared to microcalorimetry experiments. <i>Chemical Communications</i> , 2007, , 3261.	2.2	137
34	Spectroscopically Distinct Sites Present in Methyltrioxorhenium Grafted onto Silica-Alumina, and Their Abilities to Initiate Olefin Metathesis. <i>Journal of the American Chemical Society</i> , 2007, 129, 8912-8920.	6.6	50
35	Charge distribution in metal organic framework materials: transferability to a preliminary molecular simulation study of the CO <sub>2</sub> adsorption in the MIL-53 (Al) system. <i>Physical Chemistry Chemical Physics</i> , 2007, 9, 1059-1063.	1.3	112
36	An Explanation for the Very Large Breathing Effect of a Metal-Organic Framework during CO <sub>2</sub> Adsorption. <i>Advanced Materials</i> , 2007, 19, 2246-2251.	11.1	501

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37	Adsorption of CO <sub>2</sub> in metal organic frameworks of different metal centres: Grand Canonical Monte Carlo simulations compared to experiments. <i>Adsorption</i> , 2007, 13, 461-467.	1.4	123
38	Methyltrioxorhenium Interactions with Lewis Acid Sites of an Amorphous Silica~Alumina. <i>Organometallics</i> , 2006, 25, 2157-2165.	1.1	41
39	Incidence and properties of nanoscale defects in silicalite. <i>Chemical Communications</i> , 2006, , 442-444.	2.2	14
40	Cation Mobility and the Sorption of Chloroform in Zeolite NaY:~ Molecular Dynamics Study. <i>Journal of Physical Chemistry B</i> , 2005, 109, 4738-4747.	1.2	62
41	Diffusion of Molecular Hydrogen through Porous Materials:~ The Importance of Framework Flexibility. <i>Journal of Physical Chemistry B</i> , 2004, 108, 5088-5094.	1.2	44
42	Molecular Modelling of Helix Stability in Carrageenans. <i>Journal of Molecular Modeling</i> , 2000, 6, 477-490.	0.8	4
43	Adsorption of Benzene in the Cation-Containing MOFs MIL-141. <i>Journal of Physical Chemistry C</i> , 0, , 130913101409004.	1.5	2