CURRICULUM VITAE

GIASEMI ANGELI

Associate Researcher
Theoretical and Physical Chemistry Institute
National Hellenic Research Foundation
48 Vassileos Constantinou Ave.
Athens 11635, Greece

Phone: +30 210 7273803
Fax: +30 210 7273794
E-mail: gaggeli@eie.gr
ORCID ID: 0000-0002-7111-9899

Education

Ph.D. in Inorganic Chemistry, University of Crete, Greece (2019)

M.Sc. in Inorganic Chemistry, University of Crete, Greece (2012)

B.Sc. in Chemistry, University of Crete, Greece (2010)

Professional Experience & Appointments

09/2022 – present:	Associate Researcher (Grade C), Theoretical and Physical Chemistry Institute, National Hellenic Research Foundation, Greece
12/2021– 09/2022:	Postdoctoral Research Associate (Academic Scholarship), Chemistry Department, University of Crete, Greece
05/2019 – 11/2021:	Postdoctoral Research Associate, Chemistry Department, University of Crete, Greece

Main Research Interests

- Design and synthesis of Metal Organic Frameworks and Covalent Organic Frameworks
- Reticular chemistry
- Crystallography and structure property correlation
- Design and synthesis of organic linkers
- Porous materials
- Gas and vapor sorption
- CO_2 capture

- Gas storage and separation
- Water treatment
- Heterogeneous catalysis

External Funding

Hired member (post-doctoral researcher, Ph.D. student) in 4 national projects in collaboration with academic and industrial organizations (EPAnEK 2014-2020 under the call RESEARCH – CREATE – INNOVATE, IKY/SIEMENS EXCELLENCE RESEARCH PROGRAMMES and THALES)

Conferences & Invited Talks

Participation in 12 international and national, chemistry and materials science conferences. (7 talks and 5 poster presentations)

Teaching Activities

- Teaching Assistant in undergraduate Analytical Chemistry Laboratory (2013-2014)
- Teaching Assistant in undergraduate Inorganic Chemistry Laboratory (2011)
- Teaching Assistant in undergraduate Biochemistry Laboratory (2011)

Research Management & Evaluation

- Reviewer for international journals in the field of inorganic chemistry and materials science.

Awards & Distinctions

- «IKY/SIEMENS EXCELLENCE RESEARCH PROGRAMMES» Grand for supporting Ph.D. Candidates (Ph.D. Candidate), 2016-2018.
- Paper "Remarkable Structural Diversity between Zr/Hf and Rare-Earth MOFs via Ligand Functionalization and the Discovery of Unique (4, 8)-c and (4, 12)-connected Framework" was highlighted in *JACS spotlights.*

Publications

17 research papers in peer reviewed journals and 1 book chapter. 327 citations and h-index = 8 (Google Scholar, 9/2022)

Selected Recent Publications

1. Accessing 14-Connected Nets: Continuous Breathing, Hydrophobic Rare-Earth Metal Organic Frameworks Based on 14-c Hexanuclear Clusters with High Affinity for Non-Polar Vapors Edward Loukopoulos, Giasemi K. Angeli, Konstantinos Kouvidis, Constantinos Tsangarakis, and Pantelis N. Trikalitis, ACS Appl. Mater. Interfaces , 14, 22242, (2022)
2. Sustainable multicomponent indole synthesis with broad scope Xiaofang Lei, Giasemi K. Angeli, Constantinos G. Neochoritis and Alexander Dömling, Green Chem, 24, 6168., (2022)
3. "Continuous Breathing Rare-Earth MOFs Based on Hexanuclear Clusters with Gas Trapping Properties" Giasemi K. Angeli, Edward Loukopoulos, Konstantinos Kouvidis, Artemis Bosveli, Constantinos Tsangarakis, Emmanuel Tylianakis, George Froudakis, and Pantelis N. Trikalitis, J. Am. Chem. Soc. 143, 10250 (2021)
4. "Remarkable Structural Diversity between Zr/Hf and Rare-Earth MOFs via Ligand Functionalization and the Discovery of Unique (4, 8)-c and (4, 12)-connected Framework" Giasemi K. Angeli, Danai Batzavali, Katerina Mavronasou, Constantinos Tsangarakis, Tobias Stuerzer, Holger Ott, and Pantelis N. Trikalitis J. Am. Chem. Soc., 142, 15986 (2020)
5. "Water-stable 2-D Zr MOFs with exceptional UO_2^{2+} sorption capability" Nikos Panagiotou, Ioanna Liatsou,a Anastasia Pournara, Giasemi K. Angeli,c Rafaela Maria Giappa, Emmanuel Tylianakis, Manolis J. Manos, George E. Froudakis, Pantelis N. Trikalitis, Ioannis Pashalidis and Anastasios J. Tasiopoulos. J. Mater. Chem. A,8, 1849 (2020)
6. "Reticular Chemistry and the Discovery of a New Family of Rare Earth (4, 8)-Connected Metal-Organic Frameworks with csq Topology Based on $RE_4(\mu_3\text{-}O)_2(COO)_8$ Clusters" Giasemi K. Angeli, Christina Sartsidou, Styliani Vlachaki, Ioannis Spanopoulos, Constantinos Tsangarakis, Andreas Kourtellaris, Emmanuel Klontzas, George E. Froudakis, Anastasios Tasiopoulos, and Pantelis N. Trikalitis ACS Appl. Mater. Interfaces , 51, 44560 (2017)