

Giasemi Angeli

A.Peer-Reviewed Referred Journals

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, 19, 22242–22251, 2022
<https://doi.org/10.1021/acsami.2c05961>
2. Local Anesthetics via Multicomponent Reactions M. Thomaidi, L.-E. Vagiaki, N. P. Tripolitsiotis, **G. K. Angeli**, T. Zarganes-Tzitzikas, K. Sidiropoulou, C. G. Neochoritis, *ChemMedChem*, 17, e202200246, 2022
<https://doi.org/10.1002/cmdc.202200246>
3. Sustainable multicomponent indole synthesis with broad scope Xiaofang Lei, **Giasemi K. Angeli**, Constantinos G. Neochoritis and Alexander Dömling, *Green Chem*, 24, 6168-6171., 2022
<https://doi.org/10.1039/D2GC02060B>
4. Dibenzothiazepine Based MCR Chemistry, Xiaofang Lei, Dr. **Giasemi Angeli**, Prof. Alexander Dömling, Prof. Constantinos G. Neochoritis, *Eur. J. Org. Chem.*, 20, e202200220, 2022
<https://doi.org/10.1002/ejoc.202200220>
5. “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, 27, 10250–10260, 2021
<https://pubs.acs.org/doi/10.1021/jacs.1c03762>
6. A multicomponent tetrazolo indole synthesis” Xiaofang Lei, Panagiota Lampiri, Pravin Patil, **Giasemi Angeli**, Constantinos G. Neochoritis, Alexander Dömling, *Chem. Commun.* ,57, 6652-6655, 2021
<https://doi.org/10.1039/D1CC02384E>
7. Fluorene-Based Multicomponent Reactions Xiaofang Lei, Maria Thomaidi, **Giasemi K. Angeli**, Alexander Dömling, Constantinos G. Neochoritis *Synlett*, st-2021-b0083-l, 2021
<https://doi.org/10.1055/a-1471-9080>
8. A diamino-functionalized silsesquioxane pillared graphene oxide for CO2 capture Eleni Thomou, Viktoria Sakavitsi, **Giasemi K. Angeli**, Konstantinos Spyrou, Konstantinos Froudakis, Evmorfia K. Diamanti, George E. Romanos, Georgios N. Karanikolos, Pantelis N. Trikalitis, Dimitrios Gournis and Petra Rudolf *RSC Advances*, 11(23), pp. 13743-13750, 2021
<https://doi.org/10.1039/D1RA00777G>

9. 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, 37, 15986–15994, 2020
<https://doi.org/10.1021/jacs.0c07081>
10. Improving the Cd²⁺ detection capability of a new anionic rare earth metal–organic framework based on a [RE6(μ₃-OH)₈]¹⁰⁺ secondary building unit: an ion-exchange approach towards more efficient sensors Nikos Panagiotou, Kasiani Evangelou, Athanasia Psalti, Nektaria Varnava, **Giasemi K. Angeli**, Pantelis N. Trikalitis, John C. Plakatouras, Theodore Lazarides and Anastasios J. Tasiopoulos *Mol. Syst. Des. Eng.*, 5, 1077-1087, 2020
<https://doi.org/10.1039/C9ME00176J>
11. Water-stable 2-D Zr MOFs with exceptional UO₂²⁺ sorption capability Nikos Panagiotou, Ioanna Liatsou, a Anastasia Pournara, **Giasemi K. Angeli**, 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, 1849-1857, 2020
<https://doi.org/10.1039/C9TA10701K>
12. Water Interaction with Mineral Dust Aerosol: Particle Size and Hygroscopic Properties of Dust Ibrahim, S. ,Romanias, M.N. ,Alleman, L.Y. ,Zeineddine, M.N. ,**Angeli, G.K.** ,Trikalitis, P.N. ,Thevenet, F..*ACS Earth and Space Chemistry* 2, 4, Pages 376-386, 2018
<https://doi.org/10.1021/acsearthspacechem.7b00152>
13. Reticular Chemistry and the Discovery of a New Family of Rare Earth (4, 8)-Connected Metal-Organic Frameworks with csq Topology Based on RE₄(μ₃-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* , 9, 51, 44560–44566, 2017
<https://doi.org/10.1021/acsami.7b16380>
14. Structural Stability, Vibrational Properties, and Photoluminescence in CsSnI₃ Perovskite upon the Addition of SnF₂. Athanassios G. Kontos, Andreas Kaltzoglou, Eirini Siranidi, Dimitrios Palles, **Giasemi K. Angeli**, Michalis K. Arfanis, Vassilis Psycharis, Yannis S. Raptis, Efstratios I. Kamitsos, Pantelis N. Trikalitis, Constantinos C. Stoumpos, Mercouri G. Kanatzidis, Polycarpos Falaras, *Inorg Chem*; 56(1):84-91, 2017
<https://doi.org/10.1021/acs.inorgchem.6b02318>
15. Luminescent and Proton Conducting Lanthanide Hybrid Materials Based on a Zwitterionic Tripodal Triphosphonate, Bazaga-Garcia, Montse; **Angeli, Giasemi**; Papathanasiou, Konstantinos; Salcedo, Inés; Olivera-Pastor, Pascual;

Losilla, Enrique; Choquesillo-Lazarte, Duane; Hix, Gary; Cabeza, Aurelio; Demadis, Konstantinos, *Inorg Chem* Aug 14;55(15):7414-24, **2016**
<https://doi.org/10.1021/acs.inorgchem.6b00570>

16. Structural Variability in Multifunctional Metal Xylenediaminetetraphosphonate Hybrids” Colodrero, Rosario; Angeli, Giasemi; Bazaga-Garcia, Montse; Olivera-Pastor, Pascual; Villemin, Didier; Losilla, Enrique; Martos, Estefania; Hix, Gary; Aranda, Miguel; Demadis, Konstantinos; Cabeza, Aurelio, *Inorg Chem* Aug 24;52(15):8770-83, **2013**
<https://doi.org/10.1021/ic400951s>

B. Book Chapters

17. “Good scale”-“bad scale”: How metal-phosphonate materials contribute to corrosion inhibition **Giasemi Angeli**, Konstantinos D. Demadis Mineral Scales in Biological and Industrial Systems pp. 353-370
<https://doi.org/10.1201/b15606>