

# Georgios Dimitrakopoulos

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/782890/publications.pdf>

Version: 2024-02-01

17  
papers

312  
citations

840776

11  
h-index

1125743

13  
g-index

17  
all docs

17  
docs citations

17  
times ranked

288  
citing authors

#	ARTICLE	IF	CITATIONS
1	Anodic Shock-Triggered Exsolution of Metal Nanoparticles from Perovskite Oxide. Journal of the American Chemical Society, 2022, 144, 7657-7666.	13.7	15
2	Highly Durable C <sub>2</sub> Hydrocarbon Production via the Oxidative Coupling of Methane Using a BaFe <sub>0.9</sub> Zr <sub>0.1</sub> O <sub>3-δ</sub> Mixed Ionic and Electronic Conducting Membrane and La <sub>2</sub> O <sub>3</sub> Catalyst. ACS Catalysis, 2021, 11, 3638-3661.	11.2	22
3	Tuning Point Defects by Elastic Strain Modulates Nanoparticle Exsolution on Perovskite Oxides. Chemistry of Materials, 2021, 33, 5021-5034.	6.7	36
4	(Invited) Controlling the Size and Dispersion of Exsolved Catalyst Particles By Electrochemistry and By Strain. ECS Meeting Abstracts, 2020, MA2020-01, 1473-1473.	0.0	0
5	In-Situ Exsolution of Metal Nanoparticles in Solid Oxide Cells for Efficient Syngas Generation from Steam and Carbon Dioxide. ECS Meeting Abstracts, 2020, MA2020-01, 1470-1470.	0.0	0
6	(Invited) Controlling the Size and Dispersion of Exsolved Catalyst Particles By Electrochemistry and By Strain. ECS Meeting Abstracts, 2020, MA2020-02, 2574-2574.	0.0	0
7	Gas oxy combustion and conversion technologies for low carbon energy: Fundamentals, modeling and reactors. Proceedings of the Combustion Institute, 2019, 37, 33-56.	3.9	30
8	<i>In situ</i> catalyst exsolution on perovskite oxides for the production of CO and synthesis gas in ceramic membrane reactors. Sustainable Energy and Fuels, 2019, 3, 2347-2355.	4.9	36
9	Oxidative Dehydrogenation of Ethane to Ethylene in an Oxygen-Ion-Transport-Membrane Reactor: A Proposed Design for Process Intensification. Industrial & Engineering Chemistry Research, 2019, 58, 7989-7997.	3.7	21
10	Developing a multistep surface reaction mechanism to model the impact of H <sub>2</sub> and CO on the performance and defect chemistry of La <sub>0.9</sub> Ca <sub>0.1</sub> FeO <sub>3-δ</sub> mixed-conductors. Journal of Membrane Science, 2017, 529, 114-132.	8.2	11
11	Hydrogen and Ethylene Production through Water-Splitting and Ethane Dehydrogenation Using BaFe <sub>0.9</sub> Zr <sub>0.1</sub> O <sub>3-δ</sub> Mixed-Conductors. ECS Transactions, 2017, 80, 181-190.	0.5	9
12	Role of gas-phase and surface chemistry in methane reforming using a La <sub>0.9</sub> Ca <sub>0.1</sub> FeO <sub>3-δ</sub> oxygen transport memb. Proceedings of the Combustion Institute, 2017, 36, 4347-4354.	3.9	11
13	Hydrogen and Ethylene Production through Water-Splitting and Ethane Dehydrogenation Using BaFe <sub>0.9</sub> Zr <sub>0.1</sub> O <sub>3-δ</sub> Mixed-Conductors. ECS Meeting Abstracts, 2017, , .	0.0	0
14	A two-step surface exchange mechanism and detailed defect transport to model oxygen permeation through the La <sub>0.9</sub> Ca <sub>0.1</sub> FeO <sub>3-δ</sub> mixed-conductor. Journal of Membrane Science, 2016, 510, 209-219.	8.2	27
15	Surface oxygen vacancy and oxygen permeation flux limits of perovskite ion transport membranes. Journal of Membrane Science, 2015, 489, 248-257.	8.2	30
16	The continuous adjoint approach to the k-ε SST turbulence model with applications in shape optimization. Engineering Optimization, 2015, 47, 1523-1542.	2.6	24
17	Measuring the oxygen permeation and permeation flux limits of an ion transport membrane. Journal of Membrane Science, 2015, 489, 248-257.	8.2	40