

# Georgios Dimitrakopoulos

## List of Publications by Year in descending order

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