

Sonia Escolastico Rozalen

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Intensification of catalytic CO ₂ methanation mediated by in-situ water removal through a high-temperature polymeric thin-film composite membrane. <i>Journal of CO₂ Utilization</i> , 2022, 55, 101813.	6.8	8
2	Evaluation of Er Doped CeO ₂ -Î as Oxygen Transport Membrane. <i>Membranes</i> , 2022, 12, 172.	3.0	2
3	Copper surface-alloying of H ₂ -permeable Pd-based membrane for integration in Fischer-Tropsch synthesis reactors. <i>Journal of Membrane Science</i> , 2021, 619, 118516.	8.2	4
4	Development and Proof of Concept of a Compact Metallic Reactor for MIEC Ceramic Membranes. <i>Membranes</i> , 2021, 11, 541.	3.0	7
5	Towards Upscaling of La _{5.5} WO _{11.25} -Î Manufacture for Plasma Spraying-Thin Film Coated Hydrogen Permeable Membranes. <i>Membranes</i> , 2020, 10, 192.	3.0	4
6	Direct CO ₂ conversion to syngas in a BaCe _{0.2} Zr _{0.7} Y _{0.1} O _{3-Î} -based proton-conducting electrolysis cell. <i>Journal of CO₂ Utilization</i> , 2019, 34, 231-238.	6.8	26
7	Protonic Conduction of Partially-Substituted CsH ₂ PO ₄ and the Applicability in Electrochemical Devices. <i>Membranes</i> , 2019, 9, 49.	3.0	13
8	Novel Polymeric Thin-Film Composite Membranes for High-Temperature Gas Separations. <i>Membranes</i> , 2019, 9, 51.	3.0	15
9	Study of the Effect of Inorganic Particles on the Gas Transport Properties of Glassy Polyimides for Selective CO ₂ and H ₂ O Separation. <i>Membranes</i> , 2018, 8, 128.	3.0	15
10	Gas Separation Properties of Polyimide Thin Films on Ceramic Supports for High Temperature Applications. <i>Membranes</i> , 2018, 8, 16.	3.0	28
11	Catalytic Layer Optimization for Hydrogen Permeation Membranes Based on La _{5.5} WO _{11.25} -Î/La _{0.87} Sr _{0.13} CrO ₃ -Î Composites. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 35749-35756.	8.0	9
12	Oxygen permeation and stability of CaTi _{0.73} Fe _{0.18} Mg _{0.09} O ₃ -Î oxygen-transport membrane. <i>Journal of Membrane Science</i> , 2017, 524, 56-63.	8.2	13
13	Nanoscale order in the frustrated mixed conductor La _{5.6} WO ₁₂ -Î. <i>Journal of Applied Crystallography</i> , 2016, 49, 997-1008.	4.5	15
14	Tailoring mixed ionic-electronic conduction in H ₂ permeable membranes based on the system Nd _{5.5} W _{1-x} Mo _x O _{11.25} -Î. <i>Journal of Materials Chemistry A</i> , 2015, 3, 719-731.	10.3	43
15	Optimization of the mixed protonic-electronic conducting materials based on (Nd _{5/6} Ln _{1/6}) _{5.5} WO _{11.25} -Î. <i>Journal of Materials Chemistry A</i> , 2014, 2, 6616.	10.3	26
16	Solid State Transport and Hydrogen Permeation in the System Nd _{5.5} W _{1-x} Re _x O _{11.25} -Î. <i>Chemistry of Materials</i> , 2014, 26, 982-992.	6.7	53
17	Synthesis and Characterization of Nonsubstituted and Substituted Proton-Conducting La ₆ WO ₁₂ -Î. <i>Inorganic Chemistry</i> , 2013, 52, 10375-10386.	4.0	55
18	Hydrogen separation in La _{5.5} WO _{11.25} -Î membranes. <i>Journal of Membrane Science</i> , 2013, 444, 276-284.	8.2	96

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19	Enhanced H ₂ Separation through Mixed Proton–Electron Conducting Membranes Based on La _{5.5} W _{0.8} M _{0.2} O _{11.25} . ChemSusChem, 2013, 6, 1523-1532.	6.8	80
20	Ethylene Production by ODHE in Catalytically Modified Ba _{0.5} Sr _{0.5} Co _{0.8} Fe _{0.2} O ₃ Membrane Reactors. ChemSusChem, 2012, 5, 1587-1596.	6.8	33
21	High Ethylene Production through Oxidative Dehydrogenation of Ethane Membrane Reactors Based on Fast Oxygen–Ion Conductors. ChemCatChem, 2011, 3, 1503-1508.	3.7	30