

Seona Kim

List of Publications by Year in descending order

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citations

623574

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677027

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times ranked

1397
citing authors

#	ARTICLE	IF	CITATIONS
1	A Highly Efficient and Robust Cation Ordered Perovskite Oxide as a Bifunctional Catalyst for Rechargeable Zinc-Air Batteries. ACS Nano, 2017, 11, 11594-11601.	7.3	219
2	Proton conducting oxides: A review of materials and applications for renewable energy conversion and storage. Renewable and Sustainable Energy Reviews, 2019, 109, 606-618.	8.2	137
3	Cation-swapped homogeneous nanoparticles in perovskite oxides for high power density. Nature Communications, 2019, 10, 697.	5.8	119
4	Synergistic interaction of perovskite oxides and N-doped graphene in versatile electrocatalyst. Journal of Materials Chemistry A, 2019, 7, 2048-2054.	5.2	104
5	A Tailored Bifunctional Electrocatalyst: Boosting Oxygen Reduction/Evolution Catalysis via Electron Transfer Between N-Doped Graphene and Perovskite Oxides. Small, 2018, 14, e1802767.	5.2	85
6	Nanostructured Double Perovskite Cathode With Low Sintering Temperature For Intermediate Temperature Solid Oxide Fuel Cells. ChemSusChem, 2015, 8, 3153-3158.	3.6	56
7	Fe@N-Graphene Nanoplatelet-Embedded Carbon Nanofibers as Efficient Electrocatalysts for Oxygen Reduction Reaction. Advanced Science, 2016, 3, 1500205.	5.6	47
8	A Composite Catalyst Based on Perovskites for Overall Water Splitting in Alkaline Conditions. ChemElectroChem, 2019, 6, 1520-1524.	1.7	42
9	Tailoring Ni-based catalyst by alloying with transition metals (M = Ni, Co, Cu, and Fe) for direct hydrocarbon utilization of energy conversion devices.. Electrochimica Acta, 2017, 225, 399-406.	2.6	36
10	Influence of Cathode Porosity on High Performance Protonic Ceramic Fuel Cells with PrBa _{0.5} Sr _{0.5} Co _{1.5} Fe _{0.5} O _{5+δ} Cathode. Journal of the Electrochemical Society, 2018, 165, F1098-F1102.	1.3	22
11	Strategy for Enhancing Interfacial Effect of Bifunctional Electrocatalyst: Infiltration of Cobalt Nanooxide on Perovskite. Advanced Materials Interfaces, 2018, 5, 1800123.	1.9	18
12	Ni-Fe Bimetallic Nanocatalysts Produced by Topotactic Exsolution in Fe deposited PrBaMn _{1.7} Ni _{0.3} O _{5+δ} for Dry Reforming of Methane. Journal of the Electrochemical Society, 2020, 167, 064518.	1.3	18
13	A review on infiltration techniques for energy conversion and storage devices: from fundamentals to applications. Sustainable Energy and Fuels, 2021, 5, 5024-5037.	2.5	18
14	Scale-Down and Sr-Doping Effects on La ₄ Ni ₃ O ₁₀ -YSZ Nanocomposite Cathodes for IT-SOFCs. Journal of the Electrochemical Society, 2014, 161, F1468-F1473.	1.3	14
15	Dysprosium doping effects on perovskite oxides for air and fuel electrodes of solid oxide cells. Journal of Power Sources, 2021, 497, 229873.	4.0	11
16	A Nano-Structured SOFC Composite Cathode Prepared via Infiltration of La _{0.5} Ba _{0.25} Sr _{0.25} Co _{0.8} Fe _{0.2} O _{3-δ} into La _{0.9} Sr _{0.1} Ga _{0.8} Mg _{0.2} O _{3-δ} for Extended Triple-Phase Boundary Area. Journal of the Electrochemical Society, 2019, 166, F805-F809.	1.3	9
17	Self-Transforming Configuration Based on Atmospheric-Adaptive Materials for Solid Oxide Cells. Scientific Reports, 2018, 8, 17149.	1.6	8
18	A Bifunctional Hybrid Electrocatalyst for Oxygen Reduction and Oxygen Evolution Reactions: Nano-Co ₃ O ₄ -Deposited La _{0.5} Sr _{0.5} MnO ₃ via Infiltration. Molecules, 2021, 26, 277.	1.7	5

#	ARTICLE	IF	CITATIONS
19	Polypyrrole-Assisted Co ₃ O ₄ Anchored Carbon Fiber as a Binder-Free Electrode for Seawater Batteries. ChemElectroChem, 2019, 6, 136-140.	1.7	4
20	Energy Conversion: Fe@N-Graphene Nanoplatelet-Embedded Carbon Nanofibers as Efficient Electrocatalysts for Oxygen Reduction Reaction (Adv. Sci. 1/2016). Advanced Science, 2016, 3, .	5.6	0
21	Interfacial Effect: Strategy for Enhancing Interfacial Effect of Bifunctional Electrocatalyst: Infiltration of Cobalt Nanooxide on Perovskite (Adv. Mater. Interfaces 12/2018). Advanced Materials Interfaces, 2018, 5, 1870060.	1.9	0