

# Seona Kim

## List of Publications by Year in descending order

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21  
papers

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623574

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docs citations

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1397  
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#	ARTICLE	IF	CITATIONS
1	A Bifunctional Hybrid Electrocatalyst for Oxygen Reduction and Oxygen Evolution Reactions: Nano-Co <sub>3</sub> O <sub>4</sub> -Deposited La <sub>0.5</sub> Sr <sub>0.5</sub> MnO <sub>3</sub> via Infiltration. <i>Molecules</i> , 2021, 26, 277.	1.7	5
2	A review on infiltration techniques for energy conversion and storage devices: from fundamentals to applications. <i>Sustainable Energy and Fuels</i> , 2021, 5, 5024-5037.	2.5	18
3	Dysprosium doping effects on perovskite oxides for air and fuel electrodes of solid oxide cells. <i>Journal of Power Sources</i> , 2021, 497, 229873.	4.0	11
4	Ni-Fe Bimetallic Nanocatalysts Produced by Topotactic Exsolution in Fe deposited PrBaMn <sub>1.7</sub> Ni <sub>0.3</sub> O <sub>5+<math>\delta</math></sub> for Dry Reforming of Methane. <i>Journal of the Electrochemical Society</i> , 2020, 167, 064518.	1.3	18
5	A Nano-Structured SOFC Composite Cathode Prepared via Infiltration of La <sub>0.5</sub> Ba <sub>0.25</sub> Sr <sub>0.25</sub> Co <sub>0.8</sub> Fe <sub>0.2</sub> O <sub>3-<math>\delta</math></sub> into La <sub>0.9</sub> Sr <sub>0.1</sub> Ga <sub>0.8</sub> Mg <sub>0.2</sub> O <sub>3-<math>\delta</math></sub> for Extended Triple-Phase Boundary Area. <i>Journal of the Electrochemical Society</i> , 2019, 166, F805-F809.	1.3	9
6	Synergistic interaction of perovskite oxides and N-doped graphene in versatile electrocatalyst. <i>Journal of Materials Chemistry A</i> , 2019, 7, 2048-2054.	5.2	104
7	Proton conducting oxides: A review of materials and applications for renewable energy conversion and storage. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 109, 606-618.	8.2	137
8	A Composite Catalyst Based on Perovskites for Overall Water Splitting in Alkaline Conditions. <i>ChemElectroChem</i> , 2019, 6, 1520-1524.	1.7	42
9	Cation-swapped homogeneous nanoparticles in perovskite oxides for high power density. <i>Nature Communications</i> , 2019, 10, 697.	5.8	119
10	Polypyrrole-Assisted Co <sub>3</sub> O <sub>4</sub> Anchored Carbon Fiber as a Binder-Free Electrode for Seawater Batteries. <i>ChemElectroChem</i> , 2019, 6, 136-140.	1.7	4
11	Strategy for Enhancing Interfacial Effect of Bifunctional Electrocatalyst: Infiltration of Cobalt Nanooxide on Perovskite. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800123.	1.9	18
12	Self-Transforming Configuration Based on Atmospheric-Adaptive Materials for Solid Oxide Cells. <i>Scientific Reports</i> , 2018, 8, 17149.	1.6	8
13	Influence of Cathode Porosity on High Performance Protonic Ceramic Fuel Cells with PrBa <sub>0.5</sub> Sr <sub>0.5</sub> Co <sub>1.5</sub> Fe <sub>0.5</sub> O <sub>5-<math>\delta</math></sub> Cathode. <i>Journal of the Electrochemical Society</i> , 2018, 165, F1098-F1102.	1.3	22
14	A Tailored Bifunctional Electrocatalyst: Boosting Oxygen Reduction/Evolution Catalysis via Electron Transfer Between N-Doped Graphene and Perovskite Oxides. <i>Small</i> , 2018, 14, e1802767.	5.2	85
15	Interfacial Effect: Strategy for Enhancing Interfacial Effect of Bifunctional Electrocatalyst: Infiltration of Cobalt Nanooxide on Perovskite (Adv. Mater. Interfaces 12/2018). <i>Advanced Materials Interfaces</i> , 2018, 5, 1870060.	1.9	0
16	Tailoring Ni-based catalyst by alloying with transition metals (M = Ni, Co, Cu, and Fe) for direct hydrocarbon utilization of energy conversion devices. <i>Electrochimica Acta</i> , 2017, 225, 399-406.	2.6	36
17	A Highly Efficient and Robust Cation Ordered Perovskite Oxide as a Bifunctional Catalyst for Rechargeable Zinc-Air Batteries. <i>ACS Nano</i> , 2017, 11, 11594-11601.	7.3	219
18	Fe@N-Graphene Nanoplatelet-Embedded Carbon Nanofibers as Efficient Electrocatalysts for Oxygen Reduction Reaction. <i>Advanced Science</i> , 2016, 3, 1500205.	5.6	47

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19	Energy Conversion: Fe@Nâ€Graphene Nanoplateletâ€Embedded Carbon Nanofibers as Efficient Electrocatalysts for Oxygen Reduction Reaction (Adv. Sci. 1/2016). Advanced Science, 2016, 3, .	5.6	0
20	Nanostructured Double Perovskite Cathode With Low Sintering Temperature For Intermediate Temperature Solid Oxide Fuel Cells. ChemSusChem, 2015, 8, 3153-3158.	3.6	56
21	Scale-Down and Sr-Doping Effects on La <sub>4</sub> Ni <sub>3</sub> O <sub>10</sub> -YSZ Nanocomposite Cathodes for IT-SOFCs. Journal of the Electrochemical Society, 2014, 161, F1468-F1473.	1.3	14