

# Akila C Thenuwara

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

1,673  
citations

361413

20  
h-index

552781

26  
g-index

28  
all docs

28  
docs citations

28  
times ranked

2893  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Intercalated Metals on the Electrocatalytic Activity of 1T-MoS <sub>2</sub> for the Hydrogen Evolution Reaction. ACS Energy Letters, 2018, 3, 7-13.	17.4	211
2	Efficient Low-Temperature Cycling of Lithium Metal Anodes by Tailoring the Solid-Electrolyte Interphase. ACS Energy Letters, 2020, 5, 2411-2420.	17.4	174
3	Vertically aligned MoS <sub>2</sub> on Ti <sub>3</sub> C <sub>2</sub> (MXene) as an improved HER catalyst. Journal of Materials Chemistry A, 2018, 6, 16882-16889.	10.3	146
4	Effect of Interlayer Spacing on the Activity of Layered Manganese Oxide Bilayer Catalysts for the Oxygen Evolution Reaction. Journal of the American Chemical Society, 2017, 139, 1863-1870.	13.7	144
5	Distinct Nanoscale Interphases and Morphology of Lithium Metal Electrodes Operating at Low Temperatures. Nano Letters, 2019, 19, 8664-8672.	9.1	141
6	Nickel Confined in the Interlayer Region of Birnessite: an Active Electrocatalyst for Water Oxidation. Angewandte Chemie - International Edition, 2016, 55, 10381-10385.	13.8	112
7	Antimicrobial Properties of 2D MnO <sub>2</sub> and MoS <sub>2</sub> Nanomaterials Vertically Aligned on Graphene Materials and Ti <sub>3</sub> C <sub>2</sub> MXene. Langmuir, 2018, 34, 7192-7200.	3.5	111
8	Intercalation of Cobalt into the Interlayer of Birnessite Improves Oxygen Evolution Catalysis. ACS Catalysis, 2016, 6, 7739-7743.	11.2	79
9	Cobalt Intercalated Layered NiFe Double Hydroxides for the Oxygen Evolution Reaction. Journal of Physical Chemistry B, 2018, 122, 847-854.	2.6	78
10	Copper-Intercalated Birnessite as a Water Oxidation Catalyst. Langmuir, 2015, 31, 12807-12813.	3.5	69
11	Redox properties of birnessite from a defect perspective. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 9523-9528.	7.1	50
12	Systematic Doping of Cobalt into Layered Manganese Oxide Sheets Substantially Enhances Water Oxidation Catalysis. Inorganic Chemistry, 2018, 57, 557-564.	4.0	43
13	Water Oxidation Catalyzed by Cobalt Oxide Supported on the Mattagamite Phase of CoTe <sub>2</sub> . ACS Catalysis, 2016, 6, 7393-7397.	11.2	39
14	Synergistic In-Layer Cobalt Doping and Interlayer Iron Intercalation into Layered MnO <sub>2</sub> Produces an Efficient Water Oxidation Electrocatalyst. ACS Energy Letters, 2018, 3, 2280-2285.	17.4	36
15	Co-Mo Based Electrocatalyst for Superior Reactivity in the Alkaline Hydrogen Evolution Reaction. ChemCatChem, 2018, 10, 4832-4837.	3.7	33
16	Oxidation of arsenite to arsenate on birnessite in the presence of light. Geochemical Transactions, 2016, 17, 5.	0.7	29
17	Nickel Confined in the Interlayer Region of Birnessite: an Active Electrocatalyst for Water Oxidation. Angewandte Chemie, 2016, 128, 10537-10541.	2.0	28
18	Toward High-Capacity Battery Anode Materials: Chemistry and Mechanics Intertwined. Chemistry of Materials, 2020, 32, 8755-8771.	6.7	28

#	ARTICLE	IF	CITATIONS
19	Enabling highly reversible sodium metal cycling across a wide temperature range with dual-salt electrolytes. <i>Journal of Materials Chemistry A</i> , 2021, 9, 10992-11000.	10.3	27
20	Ni <sup>2+</sup> and Co <sup>2+</sup> Substituted Metallic MoS <sub>2</sub> for the Alkaline Hydrogen Evolution Reaction. <i>ChemElectroChem</i> , 2020, 7, 3606-3615.	3.4	24
21	Structural evolution and electrical properties of metal ion-containing polydopamine. <i>Journal of Materials Science</i> , 2019, 54, 6393-6400.	3.7	19
22	In Situ Dynamics during Heating of Copper-Intercalated Bismuth Telluride. <i>Matter</i> , 2020, 3, 1246-1262.	10.0	16
23	Tunable catalytic activity of cobalt-intercalated layered MnO <sub>2</sub> for water oxidation through confinement and local ordering. <i>Journal of Catalysis</i> , 2019, 374, 143-149.	6.2	13
24	Structure and Magnetism Evolution from FeCo Nanoparticles to Hollow Nanostructure Conversion for Magnetic Applications. <i>ACS Applied Nano Materials</i> , 2018, 1, 5837-5842.	5.0	11
25	Effect of Interlayer Co <sup>2+</sup> on Structure and Charge Transfer in NiFe Layered Double Hydroxides. <i>Journal of Physical Chemistry C</i> , 2019, 123, 13593-13599.	3.1	11
26	Low-Temperature Behavior of Lithium Metal Anodes in Carbonate and Ether Electrolytes. <i>ECS Meeting Abstracts</i> , 2019, . .	0.0	0
27	The Effect of Temperature and SEI Formation on the Nucleation and Growth of Electrochemically Plated Lithium. <i>ECS Meeting Abstracts</i> , 2020, MA2020-02, 785-785.	0.0	0