

# Chilan Ngo

## List of Publications by Year in descending order

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44  
papers

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citations

471509

17  
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395702

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g-index

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all docs

45  
docs citations

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times ranked

2291  
citing authors

#	ARTICLE	IF	CITATIONS
1	Iridium-Based Nanowires as Highly Active, Oxygen Evolution Reaction Electrocatalysts. <i>ACS Catalysis</i> , 2018, 8, 2111-2120.	11.2	166
2	Activity and Durability of Iridium Nanoparticles in the Oxygen Evolution Reaction. <i>Journal of the Electrochemical Society</i> , 2016, 163, F3105-F3112.	2.9	154
3	Carbon Capture by Metal Oxides: Unleashing the Potential of the (111) Facet. <i>Journal of the American Chemical Society</i> , 2018, 140, 4736-4742.	13.7	83
4	Platinum group metal-free electrocatalysts: Effects of synthesis on structure and performance in proton-exchange membrane fuel cell cathodes. <i>Journal of Power Sources</i> , 2017, 348, 30-39.	7.8	60
5	Exceptional Oxygen Reduction Reaction Activity and Durability of Platinum-Nickel Nanowires through Synthesis and Post-Treatment Optimization. <i>ACS Omega</i> , 2017, 2, 1408-1418.	3.5	53
6	Study of Lithium Silicide Nanoparticles as Anode Materials for Advanced Lithium Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 16071-16080.	8.0	47
7	Gram-scale wet chemical synthesis of wurtzite-8H nanoporous ZnS spheres with high photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2011, 106, 212-219.	20.2	45
8	Role of Surface Chemistry on Catalyst/Ionomer Interactions for Transition Metal-Nitrogen-Carbon Electrocatalysts. <i>ACS Applied Energy Materials</i> , 2018, 1, 68-77.	5.1	44
9	Extensive Penetration of Evaporated Electrode Metals into Fullerene Films: Intercalated Metal Nanostructures and Influence on Device Architecture. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 25247-25258.	8.0	40
10	Fuel Cell Performance Implications of Membrane Electrode Assembly Fabrication with Platinum-Nickel Nanowire Catalysts. <i>Journal of the Electrochemical Society</i> , 2018, 165, F238-F245.	2.9	39
11	Organometallic Complexes Anchored to Conductive Carbon for Electrocatalytic Oxidation of Methane at Low Temperature. <i>Journal of the American Chemical Society</i> , 2016, 138, 116-125.	13.7	34
12	The Roles of Oxide Growth and Sub-Surface Facets in Oxygen Evolution Activity of Iridium and Its Impact on Electrolysis. <i>Journal of the Electrochemical Society</i> , 2019, 166, F1243-F1252.	2.9	25
13	Palladium Intercalated into the Walls of Mesoporous Silica as Robust and Regenerable Catalysts for Hydrodeoxygenation of Phenolic Compounds. <i>ACS Omega</i> , 2018, 3, 7681-7691.	3.5	23
14	La and Al co-doped CaMnO <sub>3</sub> perovskite oxides: From interplay of surface properties to anion exchange membrane fuel cell performance. <i>Journal of Power Sources</i> , 2018, 375, 265-276.	7.8	23
15	Strong Metal-Support Interactions of TiN and TiO <sub>2</sub> -Nickel Nanocomposite Catalysts. <i>Journal of Physical Chemistry C</i> , 2018, 122, 339-348.	3.1	22
16	Shape-directional growth of Pt and Pd nanoparticles. <i>Nanoscale</i> , 2014, 6, 11364-11371.	5.6	20
17	Characterizing Complex Gas-Solid Interfaces with in Situ Spectroscopy: Oxygen Adsorption Behavior on Fe-N-C Catalysts. <i>Journal of Physical Chemistry C</i> , 2020, 124, 16529-16543.	3.1	20
18	Platinum-Nickel Nanowires with Improved Hydrogen Evolution Performance in Anion Exchange Membrane-Based Electrolysis. <i>ACS Catalysis</i> , 2020, 10, 9953-9966.	11.2	19

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19	Effect of precursor flux on compositional evolution in $\text{InP}_{1-x}\text{Sbx}$ nanowires grown via self-catalyzed vapor-liquid-solid process. <i>Journal of Crystal Growth</i> , 2011, 336, 14-19.	1.5	18
20	Iron Pyrite Nanocrystal Inks: Solvothermal Synthesis, Digestive Ripening, and Reaction Mechanism. <i>Chemistry of Materials</i> , 2014, 26, 6743-6751.	6.7	17
21	N-Bromosuccinimide-based bromination and subsequent functionalization of hydrogen-terminated silicon quantum dots. <i>RSC Advances</i> , 2014, 4, 51105-51110.	3.6	17
22	Characterization of Complex Interactions at the Gas-Solid Interface with in Situ Spectroscopy: The Case of Nitrogen-Functionalized Carbon. <i>Journal of Physical Chemistry C</i> , 2019, 123, 9074-9086.	3.1	17
23	Spectroscopic investigation of nitrogen-functionalized carbon materials. <i>Surface and Interface Analysis</i> , 2016, 48, 283-292.	1.8	16
24	Atomic layer deposition of $\text{TiO}_2$ for stabilization of Pt nanoparticle oxygen reduction reaction catalysts. <i>Journal of Applied Electrochemistry</i> , 2018, 48, 973-984.	2.9	16
25	Synthesis of high surface area $\text{Ca}_x\text{La}_{(1-x)}\text{Al}_{(1-x)}\text{Mn}_x\text{O}_{(3+\delta)}$ perovskite oxides for oxygen reduction electrocatalysis in alkaline media. <i>Catalysis Science and Technology</i> , 2016, 6, 7744-7751.	4.1	12
26	2D and 3D Characterization of PtNi Nanowire Electrode Composition and Structure. <i>ACS Applied Nano Materials</i> , 2019, 2, 525-534.	5.0	10
27	Direct synthesis of Fe rich SBA-15 at low pH by in-situ formation of iron phosphate phase. <i>Microporous and Mesoporous Materials</i> , 2019, 276, 270-279.	4.4	10
28	<i>In situ</i> transmission electron microscopy studies of the kinetics of Pt-Mo alloy diffusion in $\text{ZrB}_2$ thin films. <i>Applied Physics Letters</i> , 2013, 103, .	3.3	9
29	Kinetics of Ga droplet decay on thin carbon films. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	9
30	Direct Conversion of Hydride- to Siloxane-Terminated Silicon Quantum Dots. <i>Journal of Physical Chemistry C</i> , 2016, 120, 25822-25831.	3.1	9
31	Extended Thin-Film Electrocatalyst Structures via Pt Atomic Layer Deposition. <i>ACS Applied Nano Materials</i> , 2018, 1, 6150-6158.	5.0	7
32	3D Atomic Understanding of Functionalized Carbon Nanostructures for Energy Applications. <i>ACS Applied Nano Materials</i> , 2020, 3, 1600-1611.	5.0	7
33	Iridium Nanowires As Highly Active, Oxygen Evolution Reaction Electrocatalysts. <i>ECS Meeting Abstracts</i> , 2017, , .	0.0	1
34	<i>In situ</i> Microscopy Studies of Liquid Gallium Droplet Dynamics. <i>Microscopy and Microanalysis</i> , 2014, 20, 1634-1635.	0.4	0
35	Model Nitrogen-Carbon and Iron-Nitrogen-Carbon Materials for Investigating the Oxygen Reduction Reaction. <i>ECS Meeting Abstracts</i> , 2017, , .	0.0	0
36	Development and Implementation of Catalysts and Membrane Electrode Assemblies Based on Extended Thin Film Electrocatalysts. <i>ECS Meeting Abstracts</i> , 2017, , .	0.0	0

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37	(Invited) The Growing Importance of Hydrogen in Our Energy System and Extended Surface Electrocatalyst Development and Implementation. ECS Meeting Abstracts, 2017, , .	0.0	0
38	Chemical and Structural Investigation of Pt-Ni Extended Surface Catalyst Electrodes. ECS Meeting Abstracts, 2017, , .	0.0	0
39	Investigation of Model N-C and Fe-N-C Oxygen Reduction Catalysts Under in Situ Conditions. ECS Meeting Abstracts, 2017, , .	0.0	0
40	Understanding N-Functionalized Carbon-Based Catalysts and Supports Via Atom Probe Tomography and Electron Microscopy. ECS Meeting Abstracts, 2017, , .	0.0	0
41	Advances in PtNi Nanowire Extended Thin Film Electrocatalysts. ECS Meeting Abstracts, 2018, , .	0.0	0
42	Adsorption Behavior of PGM-Free Catalysts By Near-Ambient Pressure X-Ray Photoelectron Spectroscopy. ECS Meeting Abstracts, 2018, , .	0.0	0
43	Multiscale Characterization of N-Functionalized Carbon-Based Catalysts and Supports. ECS Meeting Abstracts, 2018, , .	0.0	0
44	Iridium and Iridium Oxide Performance in Electrolysis and Resolving Half- and Single-Cell Test Differences. ECS Meeting Abstracts, 2019, , .	0.0	0