

# Alexander C Kozen

## List of Publications by Year in descending order

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27  
papers

1,212  
citations

623734

14  
h-index

526287

27  
g-index

27  
all docs

27  
docs citations

27  
times ranked

2067  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanoscale Li, Na, and K ion-conducting polyphosphazenes by atomic layer deposition. Dalton Transactions, 2022, 51, 2068-2082.	3.3	8
2	Low temperature plasma-enhanced atomic layer deposition of sodium phosphorus oxynitride with tunable nitrogen content. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2022, 40, 032403.	2.1	5
3	Transmission electron microscopy analysis of reduction reactions and phase transformations in Nb <sub>2</sub> O <sub>5</sub> films deposited by atomic layer deposition. Journal of Applied Physics, 2021, 129, .	2.5	4
4	Plasma enhanced atomic layer deposition of titanium nitride-molybdenum nitride solid solutions. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2021, 39, .	2.1	6
5	Hot and Cold Pressed LGPS Solid Electrolytes. Journal of the Electrochemical Society, 2021, 168, 010533.	2.9	8
6	Plasma-enhanced atomic layer deposition of titanium molybdenum nitride: Influence of RF bias and substrate structure. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2021, 39, 053408.	2.1	1
7	Improvement of the Electrochemical Performance of LiNi <sub>0.8</sub> Co <sub>0.1</sub> Mn <sub>0.1</sub> O <sub>2</sub> via Atomic Layer Deposition of Lithium-Rich Zirconium Phosphate Coatings. ACS Applied Materials & Interfaces, 2021, 13, 61733-61741.	8.0	11
8	In Situ Hydrogen Plasma Exposure for Varying the Stoichiometry of Atomic Layer Deposited Niobium Oxide Films for Use in Neuromorphic Computing Applications. ACS Applied Materials & Interfaces, 2020, 12, 16639-16647.	8.0	16
9	Plasma-enhanced atomic layer deposition of vanadium nitride. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2019, 37, .	2.1	6
10	<i>In situ</i> studies of low temperature atomic level processing of GaN surfaces for atomic layer epitaxial growth. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2019, 37, .	2.1	5
11	Influence of temperature on atomic layer epitaxial growth of indium nitride assessed with <i>in situ</i> grazing incidence small-angle x-ray scattering. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2019, 37, .	2.1	7
12	Low temperature surface preparation of GaN substrates for atomic layer epitaxial growth: Assessment of ex situ preparations. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2019, 37, 020908.	2.1	5
13	Three-Dimensional Solid-State Lithium-Ion Batteries Fabricated by Conformal Vapor-Phase Chemistry. ACS Nano, 2018, 12, 4286-4294.	14.6	96
14	Plasma-enhanced atomic layer deposition of titanium vanadium nitride. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2018, 36, .	2.1	12
15	Effect of varying plasma properties on III-nitride film growth by plasma enhanced atomic layer epitaxy. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2018, 36, .	2.1	10
16	Plasma-assisted atomic layer epitaxial growth of aluminum nitride studied with real time grazing angle small angle x-ray scattering. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2017, 35, .	2.1	16
17	Nanoscale Solid State Batteries Enabled by Thermal Atomic Layer Deposition of a Lithium Polyphosphazene Solid State Electrolyte. Chemistry of Materials, 2017, 29, 3740-3753.	6.7	122
18	Structural Characterization of Atomic Layer Deposited Vanadium Dioxide. Journal of Physical Chemistry C, 2017, 121, 19341-19347.	3.1	25

#	ARTICLE	IF	CITATIONS
19	Stabilization of Lithium Metal Anodes by Hybrid Artificial Solid Electrolyte Interphase. Chemistry of Materials, 2017, 29, 6298-6307.	6.7	155
20	ALD Protection of Li-Metal Anode Surfaces – Quantifying and Preventing Chemical and Electrochemical Corrosion in Organic Solvent. Advanced Materials Interfaces, 2016, 3, 1600426.	3.7	54
21	Solid Electrolyte Lithium Phosphous Oxynitride as a Protective Nanocladding Layer for 3D High-Capacity Conversion Electrodes. ACS Nano, 2016, 10, 2693-2701.	14.6	48
22	Atomic Layer Deposition of the Solid Electrolyte LiPON. Chemistry of Materials, 2015, 27, 5324-5331.	6.7	221
23	Investigation of the Cathode-Catalyst-Electrolyte Interface in Aprotic Li-O <sub>2</sub> Batteries. Chemistry of Materials, 2015, 27, 5305-5313.	6.7	55
24	Atomic Layer Deposition and <i>in Situ</i> Characterization of Ultraclean Lithium Oxide and Lithium Hydroxide. Journal of Physical Chemistry C, 2014, 118, 27749-27753.	3.1	69
25	An all-in-one nanopore battery array. Nature Nanotechnology, 2014, 9, 1031-1039.	31.5	203
26	From nanoscience to solutions in electrochemical energy storage. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2013, 31, .	2.1	16
27	Examining the role of hydrogen in the electrical performance of <i>in situ</i> fabricated metal-insulator-metal trilayers using an atomic layer deposited Al <sub>2</sub> O <sub>3</sub> dielectric. Applied Physics Letters, 2013, 102, 173501.	3.3	28