

Luke M Davis

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Synthesis of Calcium(II) Amidinate Precursors for Atomic Layer Deposition through a Redox Reaction between Calcium and Amidines. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 10228-10233.	13.8	29
2	Obtaining a Low and Wide Atomic Layer Deposition Window (150–275 °C) for In ₂ O ₃ Films Using an In ^{III} Amidinate and H ₂ O. <i>Chemistry - A European Journal</i> , 2018, 24, 9525-9529.	3.3	28
3	Palladium ^{II} Polyimide Nanocomposite Membranes: Synthesis and Characterization of Reflective and Electrically Conductive Surface-Metallized Films. <i>Chemistry of Materials</i> , 2005, 17, 2091-2100.	6.7	23
4	Low-temperature CVD of iron, cobalt, and nickel nitride thin films from bis[di(<i>tert</i> -butyl)amido]metal(II) precursors and ammonia. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2014, 32, .	2.1	20
5	Single-Stage Synthesis and Characterization of Reflective and Conductive Silver ^{II} Polyimide Films Prepared from Silver(I) Complexes with ODP/4,4'-ODA. <i>ACS Applied Materials & Interfaces</i> , 2009, 1, 1457-1466.	8.0	19
6	Atomic Layer Deposition of Tin Monosulfide Using Vapor from Liquid Bis(<i>N,N</i> -diisopropylformamidinato)tin(II) and H ₂ S. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 45892-45902.	8.0	14
7	Study of the crystal structure of SnS thin films by atomic layer deposition. <i>AIP Advances</i> , 2021, 11, .	1.3	14
8	Chemical Vapor Deposition of Copper: Use of a Molecular Inhibitor to Afford Uniform Nanoislands or Smooth Films. <i>ECS Journal of Solid State Science and Technology</i> , 2014, 3, Q79-Q83.	1.8	12
9	Silver ^{II} polyimide nanocomposite membranes: Macromolecular-matrix-mediated metallization of an aromatic, fluorinated polyimide yielding highly reflective films at low metal concentrations. <i>Journal of Applied Polymer Science</i> , 2007, 103, 2409-2418.	2.6	11
10	Novel and Facile Approach to the Fabrication of Metal-Patterned Dielectric Substrates. <i>Chemistry of Materials</i> , 2007, 19, 2299-2303.	6.7	10
11	Vapor Deposition of Transparent, p-Type Cuprous Iodide Via a Two-Step Conversion Process. <i>ACS Applied Energy Materials</i> , 2018, 1, 6953-6963.	5.1	10
12	Low-temperature CVD of δ -Mn ₃ N ₂ ^x from bis[di(<i>tert</i> -butyl)amido]manganese(II) and ammonia. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2013, 31, .	2.1	9
13	Chemical Vapor Deposition of Transparent, p-Type Cuprous Bromide Thin Films. <i>Chemistry of Materials</i> , 2021, 33, 1426-1434.	6.7	9
14	Reflective and electrically conductive palladium surface-metallized polyimide nanocomposite membranes. <i>Journal of Applied Polymer Science</i> , 2006, 102, 2708-2716.	2.6	7
15	Latent Synthesis of Electrically Conductive Surface-Silvered Polyimide Films. <i>ACS Applied Materials & Interfaces</i> , 2009, 1, 204-210.	8.0	7
16	Iron ^{II} cobalt alloy thin films with high saturation magnetizations grown by conformal metalorganic CVD. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2015, 33, 061521.	2.1	7
17	Vapor deposition of copper(I) bromide films via a two-step conversion process. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2017, 35, .	2.1	7
18	Synthesis of Calcium(II) Amidinate Precursors for Atomic Layer Deposition through a Redox Reaction between Calcium and Amidines. <i>Angewandte Chemie</i> , 2016, 128, 10384-10389.	2.0	4

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19	Synthesis of volatile, reactive coinage metal 5,5-bicyclic amidinates with enhanced thermal stability for chemical vapor deposition. Dalton Transactions, 2019, 48, 6709-6713.	3.3	4
20	Latent Patterned Surface Metallization of Silver Ion-Doped Polyimide Films. Materials Research Society Symposia Proceedings, 2009, 1192, 8.	0.1	0
21	Frontispiece: Synthesis of Calcium(II) Amidinate Precursors for Atomic Layer Deposition through a Redox Reaction between Calcium and Amidines. Angewandte Chemie - International Edition, 2016, 55, .	13.8	0
22	Frontispiz: Synthesis of Calcium(II) Amidinate Precursors for Atomic Layer Deposition through a Redox Reaction between Calcium and Amidines. Angewandte Chemie, 2016, 128, .	2.0	0
23	Chemical Vapor Deposition of Wide-Bandgap p-Type Semiconductor Cuprous Iodide for Optoelectronic Device Applications. ECS Meeting Abstracts, 2022, MA2022-01, 1306-1306.	0.0	0