Luke M Davis

List of Publications by Year
in descending order

23 papers	244 citations	933447 10 h-index	996975 15 g-index
23 all docs	23 docs citations	23 times ranked	411 citing authors

#	Article	IF	Citations
1	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
2	Chemical Vapor Deposition of Transparent, p-Type Cuprous Bromide Thin Films. Chemistry of Materials, 2021, 33, 1426-1434.	6.7	9
3	Study of the crystal structure of SnS thin films by atomic layer deposition. AIP Advances, 2021, 11, .	1.3	14
4	Atomic Layer Deposition of Tin Monosulfide Using Vapor from Liquid Bis(N,Nâ€²-diisopropylformamidinato)tin(II) and H₂S. ACS Applied Materials & Interfaces, 2019, 11, 45892-45902.	8.0	14
5	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
6	Vapor Deposition of Transparent, p-Type Cuprous Iodide Via a Two-Step Conversion Process. ACS Applied Energy Materials, 2018, 1, 6953-6963.	5.1	10
7	Obtaining a Low and Wide Atomic Layer Deposition Window (150â€“275â€‰Â°C) for In₂O₃ Films Using an In^{III} Amidinate and H₂O. Chemistry - A European Journal, 2018, 24, 9525-9529.	3.3	28
8	Vapor deposition of copper(I) bromide films via a two-step conversion process. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2017, 35, .	2.1	7
9	Synthesis of Calcium(II) Amidinate Precursors for Atomic Layer Deposition through a Redox Reaction between Calcium and Amidines. Angewandte Chemie - International Edition, 2016, 55, 10228-10233.	13.8	29
10	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
11	Synthesis of Calcium(II) Amidinate Precursors for Atomic Layer Deposition through a Redox Reaction between Calcium and Amidines. Angewandte Chemie, 2016, 128, 10384-10389.	2.0	4
12	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
13	Ironâ€“cobalt alloy thin films with high saturation magnetizations grown by conformal metalorganic CVD. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2015, 33, 061521.	2.1	7
14	Low-temperature CVD of iron, cobalt, and nickel nitride thin films from bis[di(tert-butyl)amido]metal(II) precursors and ammonia. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2014, 32, .	2.1	20
15	Chemical Vapor Deposition of Copper: Use of a Molecular Inhibitor to Afford Uniform Nanoislands or Smooth Films. ECS Journal of Solid State Science and Technology, 2014, 3, Q79-Q83.	1.8	12
16	Low-temperature CVD of Î·-Mn3N2â^'x from bis[di(tert-butyl)amido]manganese(II) and ammonia. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2013, 31, .	2.1	9
17	Latent Patterned Surface Metallization of Silver Ion-Doped Polyimide Films. Materials Research Society Symposia Proceedings, 2009, 1192, 8.	0.1	0
18	Latent Synthesis of Electrically Conductive Surface-Silvered Polyimide Films. ACS Applied Materials & Interfaces, 2009, 1, 204-210.	8.0	7

#	Article	IF	Citations
19	Single-Stage Synthesis and Characterization of Reflective and Conductive Silverâ˜Polyimide Films Prepared from Silver(I) Complexes with ODPA/4,4â€²-ODA. ACS Applied Materials & Interfaces, 2009, 1, 1457-1466.	8.0	19
20	Novel and Facile Approach to the Fabrication of Metal-Patterned Dielectric Substrates. Chemistry of Materials, 2007, 19, 2299-2303.	6.7	10
21	Silverâ€“polyimide nanocomposite membranes: Macromolecular-matrix-mediated metallization of an aromatic, fluorinated polyimide yielding highly reflective films at low metal concentrations. Journal of Applied Polymer Science, 2007, 103, 2409-2418.	2.6	11
22	Reflective and electrically conductive palladium surface-metallized polyimide nanocomposite membranes. Journal of Applied Polymer Science, 2006, 102, 2708-2716.	2.6	7
23	Palladiumâ˜Polyimide Nanocomposite Membranes:Â Synthesis and Characterization of Reflective and Electrically Conductive Surface-Metallized Films. Chemistry of Materials, 2005, 17, 2091-2100.	6.7	23