# David J Otway

## List of Publications by Year in descending order



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|---|---|---|---|
| 41 papers | 1,218 citations | 331259 21 h-index | 360668 35 g-index |
| 44 all docs | 44 docs citations | 44 times ranked | 1118 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Modeling of Precursors for Atomic Layer Deposition of Magnesium and Calcium Oxide. Chemical Vapor Deposition, 2013, 19, 117-124. | 1.4 | 12 |
| 2 | Size-tuneable synthesis of nickel nanoparticles. Journal of Nanoparticle Research, 2012, 14, 1. | 0.8 | 35 |
| 3 | Microwave-assisted synthesis of icosahedral nickel nanocrystals. CrystEngComm, 2011, 13, 2023. | 1.3 | 15 |
| 4 | Magnetic properties of Ni nanoparticles on microporous silica spheres. Journal of Magnetism and Magnetic Materials, 2010, 322, 1269-1274. | 1.0 | 13 |
| 5 | Unusual magnetism in templated NiS nanoparticles. Journal of Physics Condensed Matter, 2010, 22, 076001. | 0.7 | 13 |
| 6 | MnS doped mesoporous silica catalysts for the generation of novel carbon nanocages. Applied Catalysis A: General, 2008, 341, 8-11. | 2.2 | 2 |
| 7 | Synthesis and characterization of nanoparticulate MnS within the pores of mesoporous silica. Journal of Solid State Chemistry, 2007, 180, 3443-3449. | 1.4 | 9 |
| 8 | The deposition of thin films of CuME2 by CVD techniques (M = In, Ga and E = S, Se). Journal of Materials Chemistry, 2003, 13, 1942. | 6.7 | 42 |
| 9 | Title is missing!. Journal of Materials Science: Materials in Electronics, 2002, 13, 531-535. | 1.1 | 68 |
| 10 | Group 2 element Î²-diketonate complexes: synthetic and structural investigations. Coordination Chemistry Reviews, 2000, 210, 279-328. | 9.5 | 109 |
| 11 | The importance of ternary complexes in defining basic conditions for the deposition of ZnS by aqueous chemical bath deposition. Thin Solid Films, 2000, 361-362, 17-21. | 0.8 | 42 |
| 12 | Single source molecular precursors for the deposition of III/VI chalcogenide semiconductors by MOCVD and related techniques. Dalton Transactions RSC, 2000, , 4479-4486. | 2.3 | 91 |
| 13 | A novel method for the synthesis of the ternary thin film semiconductor cadmium zinc sulfide from acidic chemical baths. Journal of Materials Chemistry, 2000, 10, 2439-2441. | 6.7 | 23 |
| 14 | Developing environmentally benign routes for semiconductor synthesis: improved approaches to the solution deposition of cadmium sulfide for solar cell applications. Green Chemistry, 2000, 2, 79-86. | 4.6 | 35 |
| 15 | New Approaches to Chemical Bath Deposition of Chalcogenides. Materials Research Society Symposia Proceedings, 1999, 606, 199. | 0.1 | 0 |
| 16 | Novel approach to the deposition of CdS by chemical bath deposition: the deposition of crystalline thin films of CdS from acidic baths. Journal of Materials Chemistry, 1999, 9, 725-729. | 6.7 | 42 |
| 17 | Deposition of Thin Films of Gallium Sulfide from a Novel Single-Source Precursor, Ga(S2CNMeHex)3, by Low-Pressure Metalâ^'Organic Chemical Vapor Deposition. Chemistry of Materials, 1999, 11, 3430-3432. | 3.2 | 45 |
| 18 | Group III Metal Sulfide Thin Films From Single-Source Precursors by Chemical Vapor Deposition (CVD) Techniques. Materials Research Society Symposia Proceedings, 1999, 606, 127. | 0.1 | 3 |

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|---|---|---|---|
| 19 | Iron Sulfide (FeS2) Thin Films From Single-Source Precursors by Aerosol-Assisted Chemical Vapor Deposition (AACVD). Materials Research Society Symposia Proceedings, 1999, 606, 133. | 0.1 | 13 |
| 20 | MOCVD of CuInE2 (Where E = S or Se) and Related Materials for Solar Cell Devices. Materials Research Society Symposia Proceedings, 1999, 606, 147. | 0.1 | 5 |
| 21 | MOCVD of Zirconia Thin Films by Direct Liquid Injection Using a New Class of Zirconium Precursor. Chemical Vapor Deposition, 1998, 04, 46-49. | 1.4 | 68 |
| 22 | A Novel Simple Process for the Deposition of Thin Films of CuInSe2 by MOCVD. Chemical Vapor Deposition, 1998, 04, 94-96. | 1.4 | 18 |
| 23 | Liquid Injection MOCVD of Zirconium Dioxide Using a Novel Mixed Ligand Zirconium Precursor. Chemical Vapor Deposition, 1998, 4, 197-201. | 1.4 | 15 |
| 24 | Novel precursors for the growth of Î±-In2S3: trisdialkyldithiocarbamates of indium. Thin Solid Films, 1998, 315, 57-61. | 0.8 | 106 |
| 25 | Group 2/titanium heterometallic alkoxides; their reproducible syntheses and characterization. Crystal structures of the compounds [SrTi4(OEt)18] and [Sr2Ti(OPri)8(PriOH)3] Â· 2PriOH. Polyhedron, 1998, 17, 625-639. | 1.0 | 24 |
| 26 | Novel Approaches to the Deposition of Selenium Containing Materials. Phosphorus, Sulfur and Silicon and the Related Elements, 1998, 136, 431-446. | 0.8 | 3 |
| 27 | Novel Precursors for MOCVD of Thin Films of Metal Oxides Containing Early Transition Metals. Materials Research Society Symposia Proceedings, 1998, 541, 333. | 0.1 | 0 |
| 28 | Metalorganic Chemical Vapour Deposition of CuInSe<sub>2</sub> From Copper and Indium Diselenocarbamates for Solar Cell Devices. Materials Research Society Symposia Proceedings, 1997, 485, 157. | 0.1 | 8 |
| 29 | Spectroscopic and Structural Studies of Some Precursors for the Deposition of PZT and Related Materials by MOCVD. Materials Research Society Symposia Proceedings, 1997, 495, 57. | 0.1 | 2 |
| 30 | Precursors for Vapor Deposition of Blue Phosphors for Electroluminescent Flat Panel Displays. Materials Research Society Symposia Proceedings, 1997, 495, 83. | 0.1 | 2 |
| 31 | Facile synthesis of alkaline-earth-metal Î²-diketonates and the structure of the loose dimer the Chemical Society Dalton Transactions, 1997, , 1331-1336. | 1.1 | 23 |
| 32 | The Growth of Indium Selenide Thin Films from a Novel Asymmetric Dialkyldiselenocarbamate of Indium. Chemical Vapor Deposition, 1997, 3, 227-229. | 1.4 | 41 |
| 33 | Barium bis(Î²-Diketonate)â€¢tetraglyme Complexes as Potential CVD Precursors for Electronic Materials. Materials Research Society Symposia Proceedings, 1995, 415, 99. | 0.1 | 2 |
| 34 | An Investigation into the Role of Incorporated Solvent (EtOH/H2O) Molecules on the Structure of Group 2 Metal bis(Î²- Diketonate) Complexes: Ramifications for CVD Precursors of Electronic Materials.. Materials Research Society Symposia Proceedings, 1995, 415, 105. | 0.1 | 1 |
| 35 | Synthesis and Characterization of the First Group 2 Mixed .beta.-Diketonate Alkoxide Complexes. X-ray Crystal Structures of [Ca4(tmhd)4(OEt)4(EtOH)4], [Ca4(tmhd)6(OCH2CH2NMe2)2], and [H2Ba4(tmhd)6(OCH2CH2OPri)4]. Inorganic Chemistry, 1995, 34, 5295-5306. | 1.9 | 48 |
| 36 | GroupIIAmetal Î²-diketonate complexes; the crystal structures of [Sr3(tmhd)6(Htmhd)]Â·C6H5MeÂ·C5H12and [Ba4(tmhd)8](Htmhd = 2,2,6,6-tetramethylheptane-3,5-dione). Journal of the Chemical Society Dalton Transactions, 1993, , 2883-2890. | 1.1 | 51 |

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|---|---|---|---|
| 37 | Lanthanide Î²-diketonate glyme complexes exhibiting unusual co-ordination modes. Journal of the Chemical Society Dalton Transactions, 1993, , 2379-2386. | 1.1 | 30 |
| 38 | Oxygen or nitrogen chelates stabilizing barium and yttrium .beta.-diketonates. Inorganic Chemistry, 1993, 32, 4464-4471. | 1.9 | 48 |
| 39 | The synthesis and characterization of the group IIA homoleptic aryloxides under mild conditions, [M(OArâ€²)2]2, and the adducts [M(OArâ€²)2(L)x]Â·L (M = Ca, Sr, Ba; Arâ€²= 2,4,6,-tri-t-butyl-phenol; L THF, x = 3; M) Tj ETQq1 1 0.78 Polyhedron, 1992, 11, 1995-2007. | 1.0 | 37 |
| 40 | A low temperature synthesis of barium organometallics via mixed ammonia-ethereal solvents. Polyhedron, 1992, 11, 745-758. | 1.0 | 22 |
| 41 | The synthesis of metal organic compounds of calcium, strontium and barium by ammonia gas-saturated ethereal solvents. Journal of the Chemical Society Chemical Communications, 1991, , 517. | 2.0 | 45 |