

Mark R De Guire

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

931
citations

567281

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docs citations

29
times ranked

989
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Long-term microstructural changes in solid oxide fuel cell anodes: 3D reconstruction. <i>Journal of the American Ceramic Society</i> , 2017, 100, 1653-1660. | 3.8 | 8 |
| 2 | Nanocrystalline ceria coatings on solid oxide fuel cell anodes: the role of organic surfactant pretreatments on coating microstructures and sulfur tolerance. <i>Beilstein Journal of Nanotechnology</i> , 2014, 5, 1712-1724. | 2.8 | 2 |
| 3 | Manganese Oxide Formation in Lanthanum Strontium Manganite-Yttria-Stabilized Zirconia SOFC Cathodes. <i>Metallurgical and Materials Transactions E</i> , 2014, 1, 263-271. | 0.5 | 1 |
| 4 | Chemical Bath Deposition. , 2013, , 319-339. | | 16 |
| 5 | Performance of solid oxide fuel cells under fuel-side operational stresses. , 2012, , . | | 1 |
| 6 | Mn Valence Determination for Lanthanum Strontium Manganite Solid Oxide Fuel Cell Cathodes. <i>Journal of the Electrochemical Society</i> , 2011, 158, B1276-B1280. | 2.9 | 16 |
| 7 | Effect of organic self-assembled monolayers on the deposition and adhesion of hydroxyapatite coatings on titanium. <i>International Journal of Materials Research</i> , 2006, 97, 760-767. | 0.3 | 3 |
| 8 | Titania Deposition on PMR-15. <i>Chemistry of Materials</i> , 2005, 17, 3205-3213. | 6.7 | 22 |
| 9 | Single-Step Preparation of Mesoporous, Anatase-Based Titanium Vanadium Oxide and Its Application. <i>Journal of the American Chemical Society</i> , 2005, 127, 12736-12742. | 13.7 | 39 |
| 10 | Acid-Base Properties and Zeta Potentials of Self-Assembled Monolayers Obtained via in Situ Transformations. <i>Langmuir</i> , 2004, 20, 8693-8698. | 3.5 | 130 |
| 11 | Nano/micro-patterning of anatase TiO ₂ thin film from an aqueous solution by site-selective elimination method. <i>Science and Technology of Advanced Materials</i> , 2003, 4, 461-467. | 6.1 | 52 |
| 12 | Nanocrystalline Tin Oxide Thin Films via Liquid Flow Deposition. <i>Journal of the American Ceramic Society</i> , 2003, 86, 2074-2081. | 3.8 | 19 |
| 13 | Effects of Substrate Surface Functionality on Solution-Deposited Titania Films. <i>Chemistry of Materials</i> , 2002, 14, 2476-2485. | 6.7 | 114 |
| 14 | Characterization of SnO ₂ thin films grown from aqueous solutions. <i>Thin Solid Films</i> , 2000, 371, 1-9. | 1.8 | 98 |
| 15 | Pyrolysis of self-assembled organic monolayers on oxide substrates. <i>Journal of Materials Research</i> , 1999, 14, 2116-2123. | 2.6 | 23 |
| 16 | SILOXANE-ANCHORED MONOLAYERS AS TEMPLATES FOR OXIDE FILM DEPOSITION. , 1999, , 1-13. | | 0 |
| 17 | Boron-modified polysilylcarbodi-imides as precursors for Si-B-C-N ceramics: Synthesis, plastic-forming and high-temperature behavior. <i>Applied Organometallic Chemistry</i> , 1998, 12, 725-734. | 3.5 | 50 |
| 18 | Deposition of Compact Hydrous Aluminum Sulfate Thin Films on Titania Particles Coated with Organic Self-Assembled Monolayers. <i>Chemistry of Materials</i> , 1998, 10, 2135-2144. | 6.7 | 19 |

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|----|---|-----|-----------|
| 19 | Electrical properties of TiO ₂ thin films formed on self-assembled organic monolayers on silicon. Journal of Applied Physics, 1998, 83, 3311-3317. | 2.5 | 71 |
| 20 | Synthesis of ZrO ₂ and Y ₂ O ₃ -Doped ZrO ₂ Thin Films Using Self-Assembled Monolayers. Journal of the American Ceramic Society, 1997, 80, 2967-2981. | 3.8 | 109 |
| 21 | Electrical conductivity, relaxation and the glass transition: A new look at a familiar phenomenon. Journal of Non-Crystalline Solids, 1996, 203, 286-292. | 3.1 | 2 |
| 22 | The series Bi ₂ Sr ₂ Ca ⁿ⁻¹ Cu _n O _{2n+4} (1 ≤ n ≤ 5). Physica C: Superconductivity and Its Applications, 1991, 179, 333-346. | 1.2 | 41 |
| 23 | The cooling rate dependence of cation distributions in CoFe ₂ O ₄ . Journal of Applied Physics, 1989, 65, 3167-3172. | 2.5 | 91 |
| 24 | Microstructural Effects on the Magnetization of Superconducting YBa ₂ Cu ₃ O _{7-x} in Fields Below the Lower Critical Field. Advanced Ceramic Materials, 1987, 2, 593-600. | 2.2 | 3 |
| 25 | Magnetic ordering in splat-quenched spinel ferrite-silica compositions. Journal of Magnetism and Magnetic Materials, 1986, 54-57, 1337-1338. | 2.3 | 0 |