

Mark R De Guire

List of Publications by Year in descending order

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papers

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567281

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29
docs citations

29
times ranked

989
citing authors

#	ARTICLE	IF	CITATIONS
1	Acid-Base Properties and Zeta Potentials of Self-Assembled Monolayers Obtained via in Situ Transformations. Langmuir, 2004, 20, 8693-8698.	3.5	130
2	Effects of Substrate Surface Functionality on Solution-Deposited Titania Films. Chemistry of Materials, 2002, 14, 2476-2485.	6.7	114
3	Synthesis of ZrO_2 and Y_2O_3 -Doped ZrO_2 Thin Films Using Self-Assembled Monolayers. Journal of the American Ceramic Society, 1997, 80, 2967-2981.	3.8	109
4	Characterization of SnO ₂ thin films grown from aqueous solutions. Thin Solid Films, 2000, 371, 1-9.	1.8	98
5	The cooling rate dependence of cation distributions in CoFe ₂ O ₄ . Journal of Applied Physics, 1989, 65, 3167-3172.	2.5	91
6	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
7	Nano/micro-patterning of anatase TiO ₂ thin film from an aqueous solution by site-selective elimination method. Science and Technology of Advanced Materials, 2003, 4, 461-467.	6.1	52
8	Boron-modified polysilylcarbodi-imides as precursors for Si-B-C-N ceramics: Synthesis, plastic-forming and high-temperature behavior. Applied Organometallic Chemistry, 1998, 12, 725-734.	3.5	50
9	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
10	Single-Step Preparation of Mesoporous, Anatase-Based Titanium-Vanadium Oxide and Its Application. Journal of the American Chemical Society, 2005, 127, 12736-12742.	13.7	39
11	Pyrolysis of self-assembled organic monolayers on oxide substrates. Journal of Materials Research, 1999, 14, 2116-2123.	2.6	23
12	Titania Deposition on PMR-15. Chemistry of Materials, 2005, 17, 3205-3213.	6.7	22
13	Deposition of Compact Hydrous Aluminum Sulfate Thin Films on Titania Particles Coated with Organic Self-Assembled Monolayers. Chemistry of Materials, 1998, 10, 2135-2144.	6.7	19
14	Nanocrystalline Tin Oxide Thin Films via Liquid Flow Deposition. Journal of the American Ceramic Society, 2003, 86, 2074-2081.	3.8	19
15	Mn Valence Determination for Lanthanum Strontium Manganite Solid Oxide Fuel Cell Cathodes. Journal of the Electrochemical Society, 2011, 158, B1276-B1280.	2.9	16
16	Chemical Bath Deposition. , 2013, , 319-339.		16
17	Long-term microstructural changes in solid oxide fuel cell anodes: 3D reconstruction. Journal of the American Ceramic Society, 2017, 100, 1653-1660.	3.8	8
18	Effect of organic self-assembled monolayers on the deposition and adhesion of hydroxyapatite coatings on titanium. International Journal of Materials Research, 2006, 97, 760-767.	0.3	3

#	ARTICLE	IF	CITATIONS
19	Microstructural Effects on the Magnetization of Superconducting YBa ₂ Cu ₃ O _{7-x} in Fields Below the Lower Critical Field. <i>Advanced Ceramic Materials</i> , 1987, 2, 593-600.	2.2	3
20	Electrical conductivity, relaxation and the glass transition: A new look at a familiar phenomenon. <i>Journal of Non-Crystalline Solids</i> , 1996, 203, 286-292.	3.1	2
21	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
22	Performance of solid oxide fuel cells under fuel-side operational stresses. , 2012, , .		1
23	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
24	Magnetic ordering in splat-quenched spinel ferrite-silica compositions. <i>Journal of Magnetism and Magnetic Materials</i> , 1986, 54-57, 1337-1338.	2.3	0
25	SILOXANE-ANCHORED MONOLAYERS AS TEMPLATES FOR OXIDE FILM DEPOSITION. , 1999, , 1-13.		0