

M Grant Norton

List of Publications by Year in descending order

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70
papers

1,879
citations

304743

22
h-index

302126

39
g-index

76
all docs

76
docs citations

76
times ranked

2515
citing authors

#	ARTICLE	IF	CITATIONS
1	Silicon. , 2022, , 109-127.		0
2	The inaugural William Bonfield Prize for best review paper. Journal of Materials Science, 2022, 57, 8567-8568.	3.7	2
3	Partial Oxidation of Isooctane over Ru-Promoted Nickel-Molybdenum/Cerium-Zirconium Oxide Catalyst at an Intermediate Temperature for Internal Reforming Solid Oxide Fuel Cell Applications. Energy Technology, 2021, 9, 2100064.	3.8	2
4	Recent progress in integration of reforming catalyst on metal-supported SOFC for hydrocarbon and logistic fuels. International Journal of Hydrogen Energy, 2021, 46, 33523-33540.	7.1	27
5	Enhancement of the ultraviolet photoluminescence of ZnO films: Coatings, annealing, and environmental exposure studies. AIP Advances, 2020, 10, .	1.3	12
6	NiMo-calcium-doped ceria catalysts for inert-substrate-supported tubular solid oxide fuel cells running on isooctane. International Journal of Hydrogen Energy, 2020, 45, 29367-29378.	7.1	20
7	Celebrating 1000 issues. Journal of Materials Science, 2020, 55, 10281-10283.	3.7	1
8	1000 at 1000: Geopolymer technology—the current state of the art. Journal of Materials Science, 2020, 55, 13487-13489.	3.7	21
9	Enhancing the partial oxidation of gasoline with Mo-doped Ni catalysts for SOFC applications: An integrated experimental and DFT study. Applied Catalysis B: Environmental, 2020, 266, 118626.	20.2	24
10	Application of a NiMo-Ce _{0.5} Zr _{0.5} O _{2-λ} catalyst for solid oxide fuel cells running on gasoline. Journal of Power Sources, 2019, 435, 226732.	7.8	39
11	A highly active and stable bimetallic Ni-Mo ₂ C catalyst for a partial oxidation of jet fuel. Applied Catalysis B: Environmental, 2019, 245, 613-622.	20.2	13
12	NiMo-ceria-zirconia-based anode for solid oxide fuel cells operating on gasoline surrogate. Applied Catalysis B: Environmental, 2019, 242, 31-39.	20.2	17
13	NiMo-Ceria-Zirconia Catalyst for Inert-Substrate-Supported Tubular Solid Oxide Fuel Cells Running on Model Gasoline. Energy Technology, 2019, 7, 48-52.	3.8	8
14	Application of Ti-doped MoO ₂ microspheres prepared by spray pyrolysis to partial oxidation of n-dodecane. Applied Catalysis A: General, 2018, 553, 74-81.	4.3	8
15	Review: Isolation and Detection of Tumor-Derived Extracellular Vesicles. ACS Applied Nano Materials, 2018, 1, 2004-2020.	5.0	36
16	Reverse water gas shift reaction over CuFe/Al ₂ O ₃ catalyst in solid oxide electrolysis cell. Chemical Engineering Journal, 2018, 336, 20-27.	12.7	34
17	NiMo-ceria-zirconia catalytic reforming layer for solid oxide fuel cells running on a gasoline surrogate. Applied Catalysis B: Environmental, 2018, 224, 500-507.	20.2	33
18	Cathode Optimization for an Inert-Substrate-Supported Tubular Solid Oxide Fuel Cell. Frontiers in Energy Research, 2018, 6, .	2.3	10

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19	Mechanistic study of the reduction of MoO ₂ to Mo ₂ C under methane pulse conditions. Journal of Materials Science, 2018, 53, 12816-12827.	3.7	8
20	Silica nanostructured platform for affinity capture of tumor-derived exosomes. Journal of Materials Science, 2017, 52, 6907-6916.	3.7	19
21	Synthesis and performance of ceria-zirconia supported Ni-Mo nanoparticles for partial oxidation of isooctane. Applied Catalysis B: Environmental, 2017, 212, 97-105.	20.2	36
22	UV-luminescent MgZnO semiconductor alloys: nanostructure and optical properties. Journal of Materials Science: Materials in Electronics, 2017, 28, 2511-2520.	2.2	14
23	Nickel nanoparticles supported on silica for the partial oxidation of isooctane. Applied Catalysis A: General, 2017, 546, 126-135.	4.3	15
24	Ni-(Ce _{0.8-x} Ti _x)Sm _{0.2} O _{2-δ} anode for low temperature solid oxide fuel cells running on dry methane fuel. Journal of Power Sources, 2017, 338, 1-8.	7.8	14
25	Growth mechanism of one dimensional tin nanostructures by electrodeposition. Journal of Materials Science, 2016, 51, 577-588.	3.7	16
26	TEM in situ lithiation of tin nanoneedles for battery applications. Journal of Materials Science, 2016, 51, 589-602.	3.7	19
27	In Vitro Evaluation of the Biological Responses of Canine Macrophages Challenged with PLGA Nanoparticles Containing Monophosphoryl Lipid A. PLoS ONE, 2016, 11, e0165477.	2.5	5
28	Electronic transport in molybdenum dioxide thin films. Journal of Materials Science: Materials in Electronics, 2015, 26, 9717-9720.	2.2	6
29	Catalytic partial oxidation of a biodiesel surrogate over molybdenum dioxide. Fuel, 2015, 146, 132-137.	6.4	17
30	Molybdenum carbide supported nickel-molybdenum alloys for synthesis gas production via partial oxidation of surrogate biodiesel. Journal of Power Sources, 2015, 294, 530-536.	7.8	9
31	Template-free electrochemical synthesis of tin nanostructures. Journal of Materials Science, 2014, 49, 1476-1483.	3.7	25
32	Phonon dynamics and anharmonicity in phase segregated structural domains of MgZnO film. Applied Physics Letters, 2014, 104, .	3.3	6
33	Effect of titanium doping on the structure and reducibility of nanoparticle molybdenum dioxide. Journal of Nanoparticle Research, 2014, 16, 1.	1.9	8
34	Gasoline-fueled solid oxide fuel cell using MoO ₂ -Based Anode. Journal of Power Sources, 2014, 268, 546-549.	7.8	25
35	Lithiation of Tin Nanoneedles Investigated by in-situ TEM. Microscopy and Microanalysis, 2014, 20, 1978-1979.	0.4	0
36	Probing embedded structural inhomogeneities in MgZnO alloys via selective resonant Raman scattering. Applied Physics Letters, 2013, 102, .	3.3	20

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37	Molybdenum dioxide-based anode for solid oxide fuel cell applications. Journal of Power Sources, 2013, 243, 203-210.	7.8	26
38	Ceramic Materials. , 2013, , .		192
39	Synthesis and applications of molybdenum (IV) oxide. Journal of Materials Science, 2012, 47, 2057-2071.	3.7	63
40	Effect of Substrate Composition on Sn Whisker Growth in Pure Sn Films. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2010, 41, 3386-3395.	2.2	14
41	Effect of plating temperature on Sn surface morphology. Materials Letters, 2010, 64, 1547-1550.	2.6	27
42	Nanoparticle Molybdenum Dioxide: A New Alternative Catalytic Material for Hydrogen Production via Partial Oxidation of Jet-A Fuels. Journal of Nanoelectronics and Optoelectronics, 2010, 5, 110-114.	0.5	12
43	Ripening of nanowire-supported gold nanoparticles. Journal of Nanoparticle Research, 2009, 11, 2137-2143.	1.9	22
44	Advances in the application of nanotechnology in enabling a "hydrogen economy". Journal of Materials Science, 2008, 43, 5395-5429.	3.7	221
45	Plastic Deformation in Silicon Crystal Induced by Heat-Assisted Laser Shock Peening. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2008, 130, .	2.2	30
46	Optical properties of ZnO and MgZnO nanocrystals below and at the phase separation range. Journal of Applied Physics, 2008, 104, .	2.5	36
47	Basic Ionic Liquids: Facile Solvents for Carbon-Carbon Bond Formation Reactions and Ready Access to Palladium Nanoparticles. European Journal of Organic Chemistry, 2007, 2007, 5095-5100.	2.4	79
48	Preface 40 Years of Journal of Materials Science. Journal of Materials Science, 2006, 41, 589-591.	3.7	2
49	The origin of asterism in almandine-pyrope garnets from Idaho. Journal of Materials Science, 2006, 41, 719-725.	3.7	9
50	Oxidation of silicon carbide and the formation of silica polymorphs. Journal of Materials Research, 2006, 21, 2550-2563.	2.6	28
51	Teflon AF/Ag nanocomposites with tailored optical properties. Journal of Materials Research, 2006, 21, 2168-2171.	2.6	19
52	Environmentally Induced Failure of Gold Jewelry Alloys. Gold Bulletin, 2005, 38, 113-119.	2.7	7
53	Characterization of low angle grain boundaries in yttrium orthovanadate. Journal of Materials Science, 2005, 40, 3347-3353.	3.7	8
54	Controlled Growth of Gold Nanoparticles on Silica Nanowires. Journal of Materials Research, 2005, 20, 3021-3027.	2.6	41

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55	Metal coatings on SiC nanowires by plasma-enhanced chemical vapor deposition. Journal of Materials Research, 2005, 20, 549-553.	2.6	16
56	Blowing of silica microforms on silicon carbide. Journal of Non-Crystalline Solids, 2005, 351, 251-257.	3.1	14
57	Silicon Carbide Nanosprings. Nano Letters, 2003, 3, 983-987.	9.1	153
58	Nanosprings. Applied Physics Letters, 2001, 79, 1540-1542.	3.3	140
59	Early stages of oxidation of aluminum nitride. Journal of Materials Research, 1999, 14, 2708-2711.	2.6	15
60	Synthesis of Boron Carbide Nanowires and Nanocrystal Arrays by Plasma Enhanced Chemical Vapor Deposition. Materials Research Society Symposia Proceedings, 1998, 536, 323.	0.1	2
61	Observations on the Growth of $\text{YBa}_2\text{Cu}_3\text{O}_7$ Thin Films at Very High Laser Fluences. Materials Research Society Symposia Proceedings, 1995, 388, 67.	0.1	2
62	Pulsed-laser deposition of polytetrafluoroethylene. Journal of Materials Research, 1995, 10, 1038-1043.	2.6	38
63	Effect of ion fluence on the surface morphology of single crystal magnesium oxide implanted with xenon. Journal of Materials Research, 1995, 10, 2823-2828.	2.6	3
64	Examination of Particles and Outgrowths on the Surface of Epitaxial $\text{Yba}_2\text{Cu}_3\text{O}_7$ Thin Films. Materials Research Society Symposia Proceedings, 1994, 341, 183.	0.1	4
65	Xenon Emission Accompanying Fracture of Xenon-Implanted Cubic Zirconia. Journal of the American Ceramic Society, 1993, 76, 2076-2080.	3.8	4
66	Surface Modification of Polytetrafluoroethylene and the Deposition of Copper Films. Materials Research Society Symposia Proceedings, 1993, 304, 97.	0.1	6
67	Indirect-Bonded Metallization of Aluminum Nitride. Materials Research Society Symposia Proceedings, 1993, 314, 223.	0.1	2
68	The influence of contact angle, wettability, and reactivity on the development of indirect-bonded metallizations for aluminum nitride. Journal of Adhesion Science and Technology, 1992, 6, 635-651.	2.6	6
69	Solid krypton in MgO. Journal of Materials Research, 1992, 7, 3171-3174.	2.6	7
70	Pulsed-Laser Deposition of Barium Titanate Thin Films. Journal of the American Ceramic Society, 1992, 75, 1999-2002.	3.8	44