

Otto J Gregory

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

895
citations

623734

14
h-index

526287

27
g-index

36
all docs

36
docs citations

36
times ranked

948
citing authors

#	ARTICLE	IF	CITATIONS
1	Free-standing, thin-film sensors for the trace detection of explosives. Scientific Reports, 2021, 11, 6623.	3.3	10
2	Sensors for the detection of ammonia as a potential biomarker for health screening. Scientific Reports, 2021, 11, 7185.	3.3	54
3	Continuous Monitoring of TATP Using Ultrasensitive, Low-Power Sensors. IEEE Sensors Journal, 2020, 20, 14058-14064.	4.7	4
4	ITO:SiC Ceramic Matrix Composite Thermocouples for Engine Components. , 2020, 4, 1-4.		3
5	Orthogonal Sensors for the Trace Detection of Explosives. , 2019, 3, 1-4.		4
6	Trace Detection of Explosives Using Metal Oxide Catalysts. IEEE Sensors Journal, 2019, 19, 4773-4780.	4.7	11
7	Dynamic optical response of SU-8 upon UV treatment. Optical Materials Express, 2018, 8, 2017.	3.0	8
8	Strain Gages for SiC/SiC Ceramic Matrix Composite Engine Components. , 2018, 2, 1-4.		2
9	A Review of Tunable Wavelength Selectivity of Metamaterials in Near-Field and Far-Field Radiative Thermal Transport. Materials, 2018, 11, 862.	2.9	26
10	Strain-induced modulation of near-field radiative transfer. Applied Physics Letters, 2018, 112, 241104.	3.3	28
11	Novel temperature sensors for SiC/SiC CMC engine components. Journal of Materials Research, 2017, 32, 3319-3325.	2.6	9
12	Embedded thermocouples for CMC engine components. , 2017, , .		2
13	Oxide Nanowires for Chemical Sensing. MRS Advances, 2016, 1, 1531-1537.	0.9	0
14	High-Temperature Thermoelectric Properties of Compounds in the System $Zn_x In_y O_{x+1.5y}$. Journal of Electronic Materials, 2013, 42, 114-120.	2.2	8
15	Thermoelectric Properties and Microstructure of Cu/In ₂ O ₃ Thin Films. ACS Combinatorial Science, 2013, 15, 580-584.	3.8	7
16	Detection of explosives using orthogonal gas sensors. , 2013, , .		2
17	Thin film platinum/palladium thermocouples for gas turbine engine applications. Thin Solid Films, 2013, 539, 345-349.	1.8	47
18	Metallic and ceramic thin film thermocouples for gas turbine engine applications. , 2013, , .		2

#	ARTICLE	IF	CITATIONS
19	Metallic and Ceramic Thin Film Thermocouples for Gas Turbine Engines. <i>Sensors</i> , 2013, 13, 15324-15347.	3.8	89
20	Simulation of Thermal Conductivity of Nanofluids Using Dissipative Particle Dynamics. <i>Numerical Heat Transfer; Part A: Applications</i> , 2012, 61, 323-337.	2.1	20
21	Stability and Microstructure of Indium Tin Oxynitride Thin Films. <i>Journal of the American Ceramic Society</i> , 2012, 95, 705-710.	3.8	67
22	Thermoelectric power factor of In ₂ O ₃ :Pd nanocomposite films. <i>Applied Physics Letters</i> , 2011, 99, 013107.	3.3	12
23	Forced Convection Heat Transfer Simulation Using Dissipative Particle Dynamics. <i>Numerical Heat Transfer; Part A: Applications</i> , 2011, 60, 651-665.	2.1	29
24	Thin-Film Thermocouples Based on the System In ₂ O ₃ -SnO ₂ . <i>Journal of the American Ceramic Society</i> , 2011, 94, 854-860.	3.8	69
25	Experimental investigations of liquid flow in rib-patterned microchannels with different surface wettability. <i>Microfluidics and Nanofluidics</i> , 2011, 11, 45-55.	2.2	30
26	Thermoelectric Properties of Zn _x In _y O _{x+1.5y} Films. <i>Journal of the Electrochemical Society</i> , 2011, 158, J15.	2.9	13
27	A Low TCR Nanocomposite Strain Gage for High Temperature Aerospace Applications. , 2007, , .		6
28	Piezoresistive Properties of Ceramic Strain Sensors with Controlled Nanoporosity. <i>Materials Research Society Symposia Proceedings</i> , 2003, 785, 1411.	0.1	2
29	An Intermediate TCE Nanocomposite Coating for Thermal Barrier Coatings. <i>Materials Research Society Symposia Proceedings</i> , 2003, 791, 1.	0.1	1
30	Stabilization of Indium Tin Oxide Films to Very High Temperatures. <i>Materials Research Society Symposia Proceedings</i> , 2002, 751, 1.	0.1	1
31	The Role of Solution Phase Water on the Deposition of Thin Films of Poly(vinylidene fluoride). <i>Macromolecules</i> , 2002, 35, 2682-2688.	4.8	249
32	An apparent n to p transition in reactively sputtered indium-tin oxide high temperature strain gages. <i>Thin Solid Films</i> , 2002, 405, 263-269.	1.8	26
33	Computer Simulation of the Microstructure Developed in Reaction-Sintered Silicon Nitride Ceramics. <i>Journal of the American Ceramic Society</i> , 1990, 73, 286-296.	3.8	14
34	Reaction Sintering of Submicrometer Silicon Powder. <i>Journal of the American Ceramic Society</i> , 1987, 70, C-52-C-55.	3.8	21
35	Submicron silicon powder production in an aerosol reactor. <i>Applied Physics Letters</i> , 1986, 49, 82-84.	3.3	19