

# Rosario A Gerhardt

## List of Publications by Year in descending order

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161  
papers

4,421  
citations

172207

29  
h-index

114278

63  
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167  
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167  
docs citations

167  
times ranked

4762  
citing authors

#	ARTICLE	IF	CITATIONS
1	Impedance and dielectric spectroscopy revisited: Distinguishing localized relaxation from long-range conductivity. <i>Journal of Physics and Chemistry of Solids</i> , 1994, 55, 1491-1506.	1.9	765
2	Synthesis and Structure Characterization of Copper Terephthalate Metal-Organic Frameworks. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 2338-2343.	1.0	312
3	Grain-Boundary Effect in Ceria Doped with Trivalent Cations: I, Electrical Measurements. <i>Journal of the American Ceramic Society</i> , 1986, 69, 641-646.	1.9	285
4	Ionic conductivity of CeO <sub>2</sub> with trivalent dopants of different ionic radii. <i>Solid State Ionics</i> , 1981, 5, 547-550.	1.3	234
5	Calculation of various relaxation times and conductivity for a single dielectric relaxation process. <i>Solid State Ionics</i> , 1990, 42, 213-221.	1.3	204
6	Giant Permittivity in Epitaxial Ferroelectric Heterostructures. <i>Physical Review Letters</i> , 1996, 77, 1628-1631.	2.9	133
7	Enhanced dielectric properties of polymer matrix composites with BaTiO <sub>3</sub> and MWCNT hybrid fillers using simple phase separation. <i>Nano Energy</i> , 2016, 30, 407-416.	8.2	121
8	Grain-Boundary Effect in Ceria Doped with Trivalent Cations: II, Microstructure and Microanalysis. <i>Journal of the American Ceramic Society</i> , 1986, 69, 647-651.	1.9	108
9	Enhanced self-diffusion of water in restricted geometry. <i>Physical Review Letters</i> , 1989, 63, 43-46.	2.9	96
10	Fabrication and Electrical Conductivity of Poly(methyl methacrylate) (PMMA)/Carbon Black (CB) Composites: A Comparison between an Ordered Carbon Black Nanowire-Like Segregated Structure and a Randomly Dispersed Carbon Black Nanostructure. <i>Journal of Physical Chemistry B</i> , 2006, 110, 22365-22373.	1.2	81
11	A novel paper-based flexible ammonia gas sensor via silver and SWNT-PABS inkjet printing. <i>Sensors and Actuators B: Chemical</i> , 2014, 197, 308-313.	4.0	63
12	Microstructural and biological properties of nanocrystalline diamond coatings. <i>Diamond and Related Materials</i> , 2006, 15, 1935-1940.	1.8	60
13	Structure Solution from Powder Diffraction of Copper 1,4-Benzenedicarboxylate. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 2140-2145.	1.0	59
14	Separation of junction and bundle resistance in single wall carbon nanotube percolation networks by impedance spectroscopy. <i>Applied Physics Letters</i> , 2010, 97, .	1.5	56
15	Conductive paper fabricated by layer-by-layer assembly of polyelectrolytes and ITO nanoparticles. <i>Nanotechnology</i> , 2008, 19, 505603.	1.3	55
16	Tin oxide nanosensor fabrication using AC dielectrophoretic manipulation of nanobelts. <i>Electrochimica Acta</i> , 2005, 51, 943-951.	2.6	53
17	Hemocompatibility of diamondlike carbon-metal composite thin films. <i>Diamond and Related Materials</i> , 2006, 15, 1941-1948.	1.8	51
18	Novel Percolation Mechanism in PMMA Matrix Composites Containing Segregated ITO Nanowire Networks. <i>Advanced Functional Materials</i> , 2007, 17, 2515-2521.	7.8	48

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19	Assessment of percolation and homogeneity in ABS/carbon black composites by electrical measurements. <i>Composites Part B: Engineering</i> , 2003, 34, 607-614.	5.9	47
20	Shear Modulated Percolation in Carbon Nanotube Composites. <i>Journal of Physical Chemistry B</i> , 2006, 110, 12289-12292.	1.2	47
21	Effect of alkaline earth modifier ion on the optical, magnetic and electrical properties of lithium nickel borate glasses. <i>Materials Chemistry and Physics</i> , 2008, 112, 186-197.	2.0	46
22	Fabrication and characterization of superhydrophobic high opacity paper with titanium dioxide nanoparticles. <i>Journal of Materials Science</i> , 2011, 46, 2600-2605.	1.7	44
23	Effect of processing method on the properties of multifunctional exfoliated graphite nanoplatelets/polyamide 12 composites. <i>Carbon</i> , 2013, 64, 122-131.	5.4	43
24	Understanding the effect of polymer crystallinity on the electrical conductivity of exfoliated graphite nanoplatelet/poly(lactic acid) composite films. <i>Journal of Polymer Research</i> , 2014, 21, 1.	1.2	43
25	Effect of the fabrication method on the electrical properties of poly(acrylonitrile-co-butadiene-co-styrene)/carbon black composites. <i>Journal of Electronic Materials</i> , 2006, 35, 224-229.	1.0	42
26	Fluid transport in partially filled porous sol-gel silica glass. <i>Physical Review B</i> , 1990, 42, 6503-6508.	1.1	40
27	Anelastic and dielectric relaxation of scandia-doped ceria. <i>Journal of Physics and Chemistry of Solids</i> , 1987, 48, 563-569.	1.9	36
28	pH-Promoted Exponential Layer-by-Layer Assembly of Bicomponent Polyelectrolyte/Nanoparticle Multilayers. <i>Chemistry of Materials</i> , 2011, 23, 4548-4556.	3.2	32
29	Preparation and Sintering of Colloidal Silica-Potassium Silicate Gels. <i>Journal of the American Ceramic Society</i> , 1988, 71, 1108-1113.	1.9	31
30	Internal Structure of Porous Silica: A Model System for Characterization by Nuclear Magnetic Resonance. <i>Journal of the American Ceramic Society</i> , 1989, 72, 2126-2130.	1.9	31
31	Enhancing the Layer-by-Layer Assembly of Indium Tin Oxide Thin Films by Using Polyethyleneimine. <i>Journal of Physical Chemistry C</i> , 2010, 114, 9685-9692.	1.5	31
32	Quantification of the coarsening kinetics of $\hat{\Gamma}$ precipitates in Waspaloy microstructures with different prior homogenizing treatments. <i>Acta Materialia</i> , 2009, 57, 4658-4670.	3.8	30
33	Synthesis of a Nonagglomerated Indium Tin Oxide Nanoparticle Dispersion. <i>Advanced Materials</i> , 2008, 20, 4163-4166.	11.1	29
34	Magnetic, electrical, and microstructural properties of $\text{YBa}_2\text{Cu}_3\text{O}_7$ : A comparison of sol-gel, co-precipitated, and solid state processing routes. <i>Journal of Materials Research</i> , 1989, 4, 1099-1102.	1.2	28
35	Effect of Precursor-Layer Surface Charge on the Layer-by-Layer Assembly of Polyelectrolyte/Nanoparticle Multilayers. <i>Langmuir</i> , 2012, 28, 84-91.	1.6	27
36	Fabrication and characterization of highly transparent and conductive indium tin oxide films made with different solution-based methods. <i>Materials Research Express</i> , 2016, 3, 116408.	0.8	27

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37	Thermal processing and properties of BaTi4O9 and Ba2Ti9O20 dielectric resonators. Journal of Materials Science, 1999, 34, 3021-3025.	1.7	26
38	Effects of Frequency, Percolation, and Axisymmetric Microstructure on the Electrical Response of Hot-Pressed Alumina-Silicon Carbide Whisker Composites. Journal of the American Ceramic Society, 2011, 94, 1125-1132.	1.9	26
39	Network behavior of thermosetting polyimide/multiwalled carbon nanotube composites. Polymer, 2012, 53, 1020-1027.	1.8	25
40	Study of Sc2O3-doped ceria by anelastic relaxation. Solid State Ionics, 1983, 9-10, 931-936.	1.3	24
41	Electrical Properties of Boron Nitride Matrix Composites: I, Analysis of McLachlan Equation and Modeling of the Conductivity of Boron Nitride-Boron Carbide and Boron Nitride-Silicon Carbide Composites. Journal of the American Ceramic Society, 2001, 84, 1490-1496.	1.9	23
42	Spectroscopic characterization, conductivity and relaxation anomalies in the Li2O-MgO-B2O3 glass system: Effect of nickel ions. Journal of Physics and Chemistry of Solids, 2008, 69, 2813-2826.	1.9	23
43	Quantitative Electron Microscopic Investigation of the Pore Structure in 10:90 Colloidal Silica/Potassium Silicate Sol-Gels. Journal of the American Ceramic Society, 1990, 73, 2228-2237.	1.9	22
44	Small-angle-scattering determination of the microstructure of porous silica precursor bodies. Journal of Applied Crystallography, 1990, 23, 535-544.	1.9	22
45	Volume Fraction and Whisker Orientation Dependence of the Electrical Properties of SiC-Whisker-Reinforced Mullite Composites. Journal of the American Ceramic Society, 2001, 84, 2328-2334.	1.9	21
46	Electrical Properties of Boron Nitride Matrix Composites: III, Observations near the Percolation Threshold in BN-B4C Composites. Journal of the American Ceramic Society, 2001, 84, 2335-2342.	1.9	21
47	Processing and Dielectric Properties of Nanocomposite Thin Film for Supercapacitors for High-Frequency Embedded Decoupling. IEEE Transactions on Components and Packaging Technologies, 2007, 30, 569-578.	1.4	20
48	Detection of percolating paths in polyhedral segregated network composites using electrostatic force microscopy and conductive atomic force microscopy. Applied Physics Letters, 2009, 95, .	1.5	20
49	A comparative study of the effect of annealing and plasma treatments on the microstructure and properties of colloidal indium tin oxide films and cold-sputtered indium tin oxide films. Thin Solid Films, 2012, 520, 2723-2730.	0.8	20
50	Factors that Affect Network Formation in Carbon Nanotube Composites and their Resultant Electrical Properties. Journal of Composites Science, 2020, 4, 100.	1.4	18
51	Small-angle neutron scattering characterization of processing/microstructure relationships in the sintering of crystalline and glassy ceramics. Journal of Materials Research, 1991, 6, 2706-2715.	1.2	17
52	Imaging of fine porosity in a colloidal silica: potassium silicate gel by defocus contrast microscopy. Journal of Non-Crystalline Solids, 1993, 152, 18-31.	1.5	17
53	Characterization of microstructural fluctuations in Waspaloy exposed to 760°C for times up to 2500h. Electrochimica Acta, 2006, 51, 1873-1880.	2.6	17
54	Nanoporous Hard Carbon Membranes for Medical Applications. Journal of Nanoscience and Nanotechnology, 2007, 7, 1486-1493.	0.9	17

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55	Impedance spectroscopy and optical characterization of polymethyl methacrylate/indium tin oxide nanocomposites with three-dimensional Voronoi microstructures. <i>Journal of Applied Physics</i> , 2008, 104, .	1.1	17
56	Etch pit and $\text{I}^2$ precipitate evolution in controlled Waspaloy microstructures aged at 725, 800 and 875°C. <i>Acta Materialia</i> , 2009, 57, 616-627.	3.8	17
57	The interaction of selected semiconducting biomaterials with platelet-rich plasma and whole blood. <i>Journal of Biomedical Materials Research - Part A</i> , 2005, 74A, 325-337.	2.1	16
58	Self-assembly of carbon black into nanowires that form a conductive three dimensional micronetwork. <i>Applied Physics Letters</i> , 2007, 90, 014101.	1.5	16
59	Correlation of the ac Electrical Conductivity and the Microstructure of PMMA/ITO Nanocomposites That Possess Phase-Segregated Microstructures. <i>Journal of Physical Chemistry C</i> , 2008, 112, 19372-19382.	1.5	16
60	Dielectric characterization of wood and wood infiltrated with ceramic precursors. <i>Materials Science and Engineering C</i> , 1996, 4, 125-131.	3.8	15
61	Dynamical properties of epitaxial ferroelectric superlattices. <i>Physical Review B</i> , 1997, 55, 8766-8775.	1.1	15
62	A closed-form solution for the computation of geometric correction factors for four-point resistivity measurements on cylindrical specimens. <i>Measurement Science and Technology</i> , 2008, 19, 025701.	1.4	15
63	The effect of nanofiller geometry and compounding method on polylactic acid nanocomposite films. <i>European Polymer Journal</i> , 2016, 77, 31-42.	2.6	15
64	Influence of crystallization kinetics on texture of sol-gel PZT and BST thin films. <i>Journal of the European Ceramic Society</i> , 1999, 19, 1391-1395.	2.8	14
65	Mechanism of degradation of AgCL coating on biopotential sensors. <i>Journal of Biomedical Materials Research - Part A</i> , 2007, 82A, 872-883.	2.1	14
66	Effect of Aging Treatment on the Microstructure and Resistivity of a Nickel-Base Superalloy. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2011, 42, 1362-1372.	1.1	14
67	Dopant-Controlled Crystallization in Metal-Organic Frameworks: The Role of Copper(II) in Zinc 1,4-Benzenedicarboxylate. <i>Journal of Physical Chemistry C</i> , 2012, 116, 15322-15328.	1.5	14
68	Effect of annealing atmosphere (Ar vs. air) and temperature on the electrical and optical properties of spin-coated colloidal indium tin oxide films. <i>Journal of Materials Science</i> , 2013, 48, 1465-1473.	1.7	14
69	Prediction of the Percolation Threshold and Electrical conductivity of Self-Assembled Antimony-Doped Tin Oxide Nanoparticles into Ordered Structures in PMMA/ATO Nanocomposites. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 22264-22271.	4.0	14
70	Structure-electrical property study of anisotropic polyaniline films. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2003, 41, 823-841.	2.4	13
71	Electrical Properties of Boron Nitride Matrix Composites: II, Dielectric Relaxations in Boron Nitride-Silicon Carbide Composites. <i>Journal of the American Ceramic Society</i> , 2001, 84, 1497-1503.	1.9	13
72	Highly conductive paper fabricated with multiwalled carbon nanotubes and poly(3,4-ethylenedioxythiophene)-poly(styrenesulfonate) by unidirectional drying. <i>Journal of Materials Science</i> , 2011, 46, 6648-6655.	1.7	13

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73	Interpreting Impedance Response of Silicon Carbide Whisker/Alumina Composites Through Microstructural Simulation. <i>Journal of the American Ceramic Society</i> , 2006, 89, 538-543.	1.9	12
74	Room temperature properties of electrical contacts to alumina composites containing silicon carbide whiskers. <i>Journal of Applied Physics</i> , 2009, 105, .	1.1	12
75	Impedance response and modeling of composites containing aligned semiconductor whiskers: Effects of dc-bias partitioning and percolated-cluster length, topology, and filler interfaces. <i>Journal of Applied Physics</i> , 2012, 111, .	1.1	12
76	The effect of substrate pore size on the network interconnectivity and electrical properties of dropcasted multiwalled carbon nanotube thin films. <i>Journal of Materials Research</i> , 2013, 28, 1617-1624.	1.2	12
77	Microstructure and optical properties of submicron porous silicon thin films grown at low current densities. <i>Journal of Applied Physics</i> , 2000, 87, 2169-2177.	1.1	11
78	Chemical Stability and Characterization of Rhodium-Diisocyanide Coordination Polymers. <i>Journal of Physical Chemistry B</i> , 2007, 111, 14114-14120.	1.2	11
79	The effect of the atmosphere on the optical properties of as-synthesized colloidal indium tin oxide. <i>Nanotechnology</i> , 2009, 20, 145701.	1.3	11
80	Percolation in Borosilicate Glass Matrix Composites Containing Antimony-Doped Tin Oxide Segregated Networks. Part I: Fabrication of Segregated Networks. <i>Journal of the American Ceramic Society</i> , 2013, 96, 3544-3551.	1.9	11
81	Effect of compounding method and processing conditions on the electrical response of exfoliated graphite nanoplatelet/poly(lactic acid) nanocomposite films. <i>Journal of Materials Science</i> , 2016, 51, 2980-2990.	1.7	11
82	Bivariate stereological unfolding procedure for randomly oriented chopped fibers or whiskers. <i>Acta Materialia</i> , 2005, 53, 4943-4953.	3.8	9
83	Extruded and Pressureless-Sintered Al <sub>2</sub> O <sub>3</sub> -SiC Composite Rods: Fabrication, Structure, Electrical Behavior, and Elastic Modulus. <i>Journal of the American Ceramic Society</i> , 2011, 94, 4391-4398.	1.9	9
84	Detection of Different Interfaces in Percolated Networks of Antimony Tin Oxide: Borosilicate Glass Composites by Impedance Spectroscopy. <i>Journal of the American Ceramic Society</i> , 2015, 98, 154-162.	1.9	9
85	Fabrication and Supercapacitor Applications of Multiwall Carbon Nanotube Thin Films. <i>Journal of Carbon Research</i> , 2021, 7, 70.	1.4	9
86	Effect of trace carbon on the uv-induced behavior of aluminum nitride ceramics. <i>Journal of Materials Research</i> , 1994, 9, 2209-2212.	1.2	8
87	Na <sub>2</sub> O-P <sub>2</sub> O <sub>5</sub> -SiO <sub>2</sub> gels: Preparation and characterization. <i>Journal of Non-Crystalline Solids</i> , 1989, 111, 167-172.	1.5	7
88	Effect of Sodium Ions on the Dielectric Conductivity of Porous Silica in Humid Environments. <i>Materials Research Society Symposia Proceedings</i> , 1990, 195, 471.	0.1	7
89	Effect of stretching on the structure and electrical conductivity of doped and undoped poly(phenylene vinylene) thin films. <i>Electrochimica Acta</i> , 2006, 51, 1728-1735.	2.6	7
90	Effect of graphitic filler size and shape on the microstructure, electrical percolation behavior and thermal properties of nanostructured multilayered carbon films deposited onto paper substrates. <i>Journal of Materials Research</i> , 2014, 29, 472-484.	1.2	7

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91	Effect of Spark Plasma Sintering Current and Voltage on the Microstructure and Electrical Properties of Borosilicate Glass-Indium Tin Oxide Composites. <i>Advanced Engineering Materials</i> , 2020, 22, 1901431.	1.6	7
92	Effect of processing on the properties and morphology of MWCNT-polymer networks. <i>Materials Research Express</i> , 2020, 7, 015075.	0.8	7
93	Dielectric investigation of the sliding charge-density wave in $\text{TiO}_3\text{MoO}_3$ . <i>Physical Review B</i> , 1988, 38, 7243-7249.	1.1	6
94	Mechanical and electrical characterisation in age hardened Waspaloy microstructures. <i>International Heat Treatment and Surface Engineering</i> , 2009, 3, 35-39.	0.2	6
95	Role of geometric parameters in electrical measurements of insulating thin films deposited on a conductive substrate. <i>Measurement Science and Technology</i> , 2012, 23, 035602.	1.4	6
96	Comparison of hot pressing and spark plasma sintering in the densification behavior of indium tin oxide-borosilicate glass composites. <i>Journal of the American Ceramic Society</i> , 2018, 101, 577-589.	1.9	6
97	As Review Of Conventional And Non-Conventional Pore Characterization Techniques. <i>Materials Research Society Symposia Proceedings</i> , 1988, 137, 75.	0.1	5
98	Characterization of Porosity Over Many Length Scales: Application to Colloidal Gels. <i>Journal of Materials Research</i> , 1999, 14, 1444-1454.	1.2	5
99	In-Plane Impedance Spectroscopy of Doped Polyaniline Films. <i>Journal of Plastic Film and Sheeting</i> , 2001, 17, 184-196.	1.3	5
100	Study of Percolation in PMMA / Indium Tin Oxide Composites. <i>Materials Research Society Symposia Proceedings</i> , 2004, 819, N3.13.1.	0.1	5
101	Trivariate, Stereological Length-Radius-Orientation Unfolding Derived and Applied to Alumina-Silicon Carbide Whisker Composites. <i>Journal of the American Ceramic Society</i> , 2006, 89, 620-626.	1.9	5
102	Mechanistic interaction study of thin oxide dielectric with conducting organic electrode. <i>Materials Chemistry and Physics</i> , 2012, 134, 508-513.	2.0	5
103	Electrically Based Non-Destructive Microstructural Characterization of All Classes of Materials. <i>Materials Research Society Symposia Proceedings</i> , 1999, 591, 103.	0.1	4
104	Structure and electrical properties of undoped oriented poly(phenylene vinylene) films. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2004, 42, 98-116.	2.4	4
105	Properties and Applications of Ceramic Composites Containing Silicon Carbide Whiskers. , 2011, , .		4
106	Determining In-plane and Thru-plane Percolation Thresholds for Carbon Nanotube Thin Films Deposited on Paper Substrates Using Impedance Spectroscopy. <i>Materials Research Society Symposia Proceedings</i> , 2013, 1549, 117-122.	0.1	4
107	Percolation in Borosilicate Glass Matrix Composites Containing Antimony-Doped Tin Oxide Segregated Networks. Part II: Examination of Electrical Behavior Using Impedance Spectroscopy. <i>Journal of the American Ceramic Society</i> , 2014, 97, 2082-2090.	1.9	4
108	What is Impedance and Dielectric Spectroscopy?. <i>IEEE Instrumentation and Measurement Magazine</i> , 2022, 25, 14-20.	1.2	4

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109	Electric field distribution within a metallic cylindrical specimen for the case of an ideal two-probe impedance measurement. <i>Journal of Applied Physics</i> , 2007, 101, 044904.	1.1	3
110	Investigation of copper plated-through-holes in glass fiber reinforced epoxy substrates using AC impedance spectroscopy. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 2563-2570.	1.1	3
111	Fabrication and simulation of semi-transparent and flexible PMMA/ATO conductive nanocomposites obtained by compression molding at different temperatures and pressures. <i>AIP Advances</i> , 2017, 7, .	0.6	3
112	Detection of plasmonic behavior in colloidal indium tin oxide films by impedance spectroscopy. <i>MRS Communications</i> , 2020, 10, 278-285.	0.8	3
113	Impedance spectroscopy of short multiwalled carbon nanotube networks deposited on a paper substrate: tracking the evolution of in-plane and thru-plane electronic properties. <i>Journal of Materials Science</i> , 2021, 56, 3256-3267.	1.7	3
114	Controlling the electrical, optical, and morphological properties of sol-gel spin-coated indium tin oxide films. <i>AIP Advances</i> , 2021, 11, .	0.6	3
115	Carbon Nanotube Assemblies for Transparent Conducting Electrodes. <i>Nanostructure Science and Technology</i> , 2013, , 117-148.	0.1	3
116	Porous Silica: A Potential Material for Low Dielectric Constant Applications. <i>Materials Research Society Symposia Proceedings</i> , 1998, 511, 111.	0.1	2
117	Doping Effects on the Properties and Microstructure of Intergrowth Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> -SrBi <sub>4</sub> Ti <sub>4</sub> O <sub>15</sub> Thin Films. <i>Integrated Ferroelectrics</i> , 2002, 45, 183-188.	0.3	2
118	Fabrication of Transparent, Conductive Phase-segregated ITO/PC Composites. <i>Materials Research Society Symposia Proceedings</i> , 2010, 1257, 1.	0.1	2
119	Conductivity of Graphene-Like Thin Films Prepared from Chemically Exfoliated Carbon Nanotubes (CNTs), Highly Oriented Pyrolytic Graphite (HOPG), Natural Flake Graphite, and Carbon Powder. <i>Materials Research Society Symposia Proceedings</i> , 2012, 1451, 125-130.	0.1	2
120	Fabrication of Conductive Glass Nanocomposites with Networks of Antimony Tin Oxide. <i>Materials Research Society Symposia Proceedings</i> , 2013, 1552, 65-70.	0.1	2
121	Three-Dimensional Nanoscale Mapping of Porosity in Solution-Processed ITO Multilayer Thin Films for Patternable Transparent Electrodes. <i>ACS Applied Nano Materials</i> , 2019, 2, 726-735.	2.4	2
122	Encore: Retired Faculty as Mentors. <i>Change</i> , 2019, 51, 59-61.	0.2	2
123	Effects of nanoparticles size and interactions on dielectric properties of polymer matrix flexible dielectric nanocomposites. <i>Advanced Composite Materials</i> , 2020, 29, 235-246.	1.0	2
124	Navigating a Career in Academia: Insights from Emeriti Engineering Faculty. <i>Journal for STEM Education Research</i> , 2020, 3, 217-231.	0.5	2
125	In-Situ Microstructure Characterization of Sintering of Controlled Porosity Materials. <i>Materials Research Society Symposia Proceedings</i> , 1994, 346, 177.	0.1	1
126	Fabrication and Dielectric Properties of Phase-Pure Ba <sub>2</sub> Ti <sub>9</sub> O <sub>20</sub> Microwave Resonators. <i>Materials Research Society Symposia Proceedings</i> , 1996, 453, 501.	0.1	1



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127	Dielectric Spectroscopy Study Of Znse Grown By Physical Vapor Transport. Materials Research Society Symposia Proceedings, 1997, 487, 517.	0.1	1
128	Title is missing!. Journal of Materials Science, 2000, 35, 443-448.	1.7	1
129	Detection of Compositional Fluctuations in High Temperature Exposed Waspaloy. Materials Research Society Symposia Proceedings, 2001, 699, 261.	0.1	1
130	Effect of High Temperature Exposure on the Microstructure of Waspaloy. Microscopy and Microanalysis, 2004, 10, 688-689.	0.2	1
131	Combinatorial synthesis of (Al,Ti)N thin films via pulsed laser deposition. Materials Research Society Symposia Proceedings, 2005, 894, 1.	0.1	1
132	Effect of Processing on the Microstructure and Electrical Conductivity of Hot Pressed PMMA/ITO Bulk Nanocomposites. Materials Research Society Symposia Proceedings, 2006, 977, 1.	0.1	1
133	Optimization of the Electrical Conductivity of ABS Nanocomposites filled with Carbon Black and Carbon Nanotubes. Materials Research Society Symposia Proceedings, 2006, 977, 1.	0.1	1
134	Dielectrophoretic Characterization of SnO <sub>2</sub> Nanobelts. , 2007, , .		1
135	Correlating Small Angle Scattering Spectra to Electrical Resistivity Changes in a Nickel-base Superalloy. Materials Research Society Symposia Proceedings, 2010, 1262, 1.	0.1	1
136	Modeling the Electrical Response of Waspaloy due to the Nucleation, Growth, and Coarsening of $\hat{\text{I}}^{\text{3}}\hat{\text{a}}\text{€}^2$ . Materials Science Forum, 0, 706-709, 2406-2411.	0.3	1
137	Thin Films Made from Colloidal Antimony Tin Oxide Nanoparticles for Transparent Conductive Applications. Materials Research Society Symposia Proceedings, 2013, 1552, 89-94.	0.1	1
138	Fabrication and Characterization of Antimony Tin Oxide Nanoparticle Networks Inside Polystyrene. Materials Research Society Symposia Proceedings, 2013, 1552, 95-100.	0.1	1
139	Dielectric nanocomposite with high dielectric permittivity and low dielectric loss. , 2015, , .		1
140	Repeatability and Reproducibility of Electrical Measurements of Spark-Plasma-Sintered Alumina-SiC <sub>w</sub> Composites. , 2022, , .		1
141	Complex Impedance Analysis of Silica Surface Film on Molybdenum Disilicide. Materials Research Society Symposia Proceedings, 1995, 411, 223.	0.1	0
142	Complex Dielectric Spectroscopy Characterization of a Li <sub>0.982</sub> Ta <sub>1.004</sub> O <sub>3</sub> Ferroelectric Single Crystal. Materials Research Society Symposia Proceedings, 1997, 500, 195.	0.1	0
143	Dielectric Spectroscopy of Insulator/Conductor Composites. Materials Research Society Symposia Proceedings, 1997, 500, 341.	0.1	0
144	The Structure and Electrical Properties of Polyaniline. Materials Research Society Symposia Proceedings, 2001, 699, 721.	0.1	0

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145	Effect of Grain Boundaries and Indentation Load on the Electrical Properties of Nickel Base Super-alloys. Materials Research Society Symposia Proceedings, 2001, 699, 251.	0.1	0
146	The Effect of Microstructural Interconnectivity on the Resistivity of Anisotropic Al <sub>2</sub> O <sub>3</sub> -SiCw Composites. AIP Conference Proceedings, 2004, , .	0.3	0
147	Characterization of the Electrical Properties of Nickel-Based CMSX-4 Super-alloys Using Atomic Force Microscopy (AFM). Microscopy and Microanalysis, 2004, 10, 1102-1103.	0.2	0
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