

Luis C Costa

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

152
papers

2,184
citations

26
h-index

38
g-index

158
ext. papers

2,447
ext. citations

3.2
avg. IF

4.98
L-index

#	Paper	IF	Citations
152	Microwave versus conventional porcelain firing: Colour analysis. <i>Materials Chemistry and Physics</i> , 2022 , 275, 125265	4.4	1
151	Global insight into microwave stoneware firing: Macro and microstructural changes. <i>International Journal of Applied Ceramic Technology</i> , 2021 , 18, 1801-1813	2	
150	Microstructure and electrical conduction of iron-doped barium titanate glass-ceramics. <i>Journal of Non-Crystalline Solids</i> , 2021 , 560, 120711	3.9	1
149	DFRTtoEIS: An easy approach to verify the consistency of a DFRT generated from an impedance spectrum. <i>Electrochimica Acta</i> , 2021 , 366, 137429	6.7	5
148	Williamson-hall analysis in estimation of crystallite size and lattice strain in Bi _{1.34} Fe _{0.66} Nb _{1.34} O _{6.35} prepared by the sol-gel method. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021 , 263, 114830	3.1	9
147	Influence of pyrochlore phase on the dielectric properties of the bismuth niobate system. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021 , 263, 114880	3.1	3
146	Nanostructured LiFeO by a Biogenic Method for Applications from Electronics to Medicine. <i>Nanomaterials</i> , 2021 , 11,	5.4	6
145	A structurally modified 85SiO ₂ /9P ₂ O ₅ /8TiO ₂ system and its dynamic dielectric behavior: starting point for hydrogen detection. <i>Journal of Materials Research and Technology</i> , 2021 , 10, 624-631	5.5	1
144	Lignosulfonate-Based Conducting Flexible Polymeric Membranes for Liquid Sensing Applications. <i>Materials</i> , 2021 , 14,	3.5	1
143	Structural characterization of Brazilian niobium pentoxide and treatment to obtain the single phase (H-Nb ₂ O ₅). <i>Thermal Science and Engineering Progress</i> , 2021 , 25, 101015	3.6	1
142	Relaxation processes in TiO ₂ /2O ₅ /2O ₅ glass-ceramics. <i>Ceramics International</i> , 2021 , 47, 29047-29054	5.1	1
141	Microwave vs conventional porcelain firing: Macroscopic properties. <i>International Journal of Applied Ceramic Technology</i> , 2020 , 17, 2277-2285	2	7
140	Highly Electroconductive Nanopapers Based on Nanocellulose and Copper Nanowires: A New Generation of Flexible and Sustainable Electrical Materials. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 34208-34216	9.5	11
139	Comparison of lithium ferrite powders prepared by sol-gel and solid state reaction methods. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2020 , 255, 114529	3.1	10
138	Dielectric Properties of PMMA/PPy Composite Materials. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , 2020 , 259-271	0.2	2
137	Temperature Effect on Dielectric Properties of Heterogeneous Material Based on Carbon Black Loaded Copolymer Nanocomposite. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , 2020 , 291-302	0.2	1
136	Impedance Spectroscopy: Concepts and Applications. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , 2020 , 85-93	0.2	

135	Electrical Properties in PMMA/Carbon-Dots Nanocomposite Films Below the Percolation Threshold. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , 2020 , 235-250	0.2	
134	Dielectric Characterization of (Bi _{1-x} Fex)NbO ₄ Ceramics Prepared by Wet-Chemical Route. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , 2020 , 107-120	0.2	1
133	Structural, morphological and dielectric properties of ErNbO ₄ prepared by the sol-gel method. <i>Journal of Physics and Chemistry of Solids</i> , 2020 , 146, 109619	3.9	4
132	Barium titanate containing glass-ceramics - The effect of phase composition and microstructure on dielectric properties. <i>Ceramics International</i> , 2020 , 46, 24585-24591	5.1	4
131	Interphase approach for modeling the DC conductivity of diverse allotropic types of carbon-reinforced polymer composites. <i>Journal of Reinforced Plastics and Composites</i> , 2020 , 073168442097326 ⁰	2.9	2
130	Investigation of dielectric relaxation phenomena and AC electrical conductivity in graphite/carbon nanotubes/engine oil nanofluids. <i>Journal of Reinforced Plastics and Composites</i> , 2020 , 073168442095185 ^{2.9}	2.9	2
129	Electrical, morphology and structural properties of biodegradable nanocomposite polyvinyl-acetate/ cellulose nanocrystals. <i>Materials Chemistry and Physics</i> , 2020 , 240, 122182	4.4	10
128	Nanocomposite Polymeric Materials Based on Eucalyptus Lignoboost Kraft Lignin for Liquid Sensing Applications. <i>Materials</i> , 2020 , 13,	3.5	8
127	Thermal properties and electric modulus approach to the analysis of dielectric relaxation of nanocomposites based on carbon dots. <i>Polymer Composites</i> , 2019 , 40, 4650-4657	3	4
126	Microwave versus conventional porcelain firing: Temperature measurement. <i>Journal of Manufacturing Processes</i> , 2019 , 41, 92-100	5	13
125	Dielectric relaxation in glass and glass-ceramic materials of the system La ₂ O ₃ -Gd ₂ O ₃ -PbO-MnO-B ₂ O ₃ . <i>International Journal of Applied Glass Science</i> , 2019 , 10, 75-82	1.8	3
124	Optical and dielectric properties of PMMA (poly(methyl methacrylate))/carbon dots composites. <i>Polymer Composites</i> , 2019 , 40, E1312-E1319	3	14
123	Insights into the photoluminescence properties of gel-like carbon quantum dots embedded in poly(methyl methacrylate) polymer. <i>Materials Today Communications</i> , 2019 , 18, 32-38	2.5	6
122	Bi ₂ O ₃ -TiO ₂ -Nd ₂ O ₃ lead-free material for microwave device applications. <i>International Journal of Applied Glass Science</i> , 2019 , 10, 202-207	1.8	2
121	Prediction of filler/matrix interphase effects on AC and DC electrical properties of carbon reinforced polymer composites. <i>Polymer Composites</i> , 2019 , 40, 346-352	3	9
120	Electric Modulus Spectroscopic Studies of the Dielectric Properties of Carbon Nanotubes/Epoxy Polymer Composite Materials. <i>Journal of Macromolecular Science - Physics</i> , 2018 , 57, 210-221	1.4	11
119	Impedance spectroscopy study of polyester/carbon nanotube composites. <i>Polymer Composites</i> , 2018 , 39, 1297-1302	3	12
118	Electrical and dielectric analysis of lithium chloride mixed sodium and lithium phosphate glasses. <i>International Journal of Applied Glass Science</i> , 2018 , 9, 333-343	1.8	

117	Dielectric Properties of Bismuth Niobate Ceramics 2018 ,		1
116	Yttrium ferrites with enhanced dielectric properties. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2018 , 232-235, 41-47	3.1	6
115	Microwave Dielectric Properties of CCTO/PVA Composites. <i>Advances in Materials Science and Engineering</i> , 2018 , 2018, 1-7	1.5	4
114	Electrical properties of conducting polymer composites: Experimental and modeling approaches. <i>Spectroscopy Letters</i> , 2017 , 50, 196-199	1.1	8
113	Dielectric and magnetic properties of a yttrium ferrite/calcium copper titanate composite. <i>Spectroscopy Letters</i> , 2017 , 50, 206-213	1.1	2
112	TSDC and impedance spectroscopy measurements on hydroxyapatite, β -tricalcium phosphate and hydroxyapatite/ β -tricalcium phosphate biphasic bioceramics. <i>Applied Surface Science</i> , 2017 , 424, 28-38	6.7	17
111	Fractal structure and temperature-dependent electrical study of carbon nanotubes/epoxy polymer composites. <i>Spectroscopy Letters</i> , 2017 , 50, 183-188	1.1	3
110	Photoluminescence in europium ion-substituted bismuth niobate particles. <i>Spectroscopy Letters</i> , 2017 , 50, 285-288	1.1	2
109	Structural, morphological and microwave dielectric properties of (Bi _{1-x} Eu _x)NbO ₄ ceramics prepared by the sol-gel method. <i>International Journal of Materials Engineering Innovation</i> , 2017 , 8, 12	0.9	5
108	Microwave dielectric properties of sodium ferrite. <i>International Journal of Materials Engineering Innovation</i> , 2017 , 8, 87	0.9	2
107	Sol-Gel Synthesis, Structural Characterization and Microwave Dielectric Properties of Bismuth Niobate Modified by Iron Inclusion 2017 ,		3
106	Investigation of micro- and nanoscale barrier layer capacitance mechanisms of conductivity in CaCu ₃ Ti ₄ O ₁₂ via scanning probe microscopy technique. <i>RSC Advances</i> , 2017 , 7, 40695-40704	3.7	15
105	Modeling microwave dielectric properties of polymer composites using the interphase approach. <i>Journal of Electromagnetic Waves and Applications</i> , 2017 , 31, 1343-1352	1.3	4
104	Insights into the physical properties of biobased polyurethane/expanded graphite composite foams. <i>Composites Science and Technology</i> , 2017 , 138, 24-31	8.6	32
103	Dielectric behaviour of carbon nanotubes particles-filled polyester polymer composites. <i>Journal of Composite Materials</i> , 2017 , 51, 1831-1837	2.7	15
102	Structural characterization and electrical properties of carbon nanotubes/epoxy polymer composites. <i>Journal of Applied Polymer Science</i> , 2017 , 134,	2.9	14
101	Fractal Approach to Alternating Current Impedance Spectroscopy Studies of Carbon Nanotubes/Epoxy Polymer Composites. <i>Applied Microscopy</i> , 2017 , 47, 126-130	1.1	5
100	Processing, Rheology, and Electrical Properties of Polymer/Nanocarbon Black Composites 2016 , 431-451		

99	Dielectric properties of FeNbO ₄ ceramics prepared by the sol-gel method. <i>Solid State Sciences</i> , 2016 , 61, 44-50	3.4	14
98	Performance Enhancement of the Dielectric Properties of Sn-Doped Ba _{0.8} Sr _{0.2} TiO ₃ Perovskite. <i>Journal of Electronic Materials</i> , 2016 , 45, 5074-5081	1.9	0
97	Temperature-dependent electrorheological effect and its description with respect to dielectric spectra. <i>Journal of Intelligent Material Systems and Structures</i> , 2016 , 27, 880-886	2.3	14
96	Structural, morphological and dielectric properties of BiNbO ₄ ceramics prepared by the sol-gel method. <i>Materials Research Bulletin</i> , 2016 , 78, 128-133	5.1	15
95	Electrical conductivity of multiwalled carbon nanotubes/polyester polymer nanocomposites. <i>Journal of Composite Materials</i> , 2016 , 50, 3283-3290	2.7	29
94	Effects of Zr and Ga doping on the stoichiometry and properties of niobium oxides. <i>Ceramics International</i> , 2016 , 42, 1688-1697	5.1	4
93	High temperatures (>1000 °C) monitoring during the sintering process in microwave oven using RFBGs. <i>Optical and Quantum Electronics</i> , 2016 , 48, 1	2.4	3
92	Prediction of the DC electrical conductivity of carbon black filled polymer composites. <i>Polymer Bulletin</i> , 2015 , 72, 2561-2571	2.4	9
91	Impedance Spectroscopy of Nanofluids based on Multiwall Carbon Nanotubes. <i>Spectroscopy Letters</i> , 2015 , 48, 761-766	1.1	9
90	Ionic hopping conductivity in potential batteries separator based on natural rubber/nanocellulose green nanocomposites. <i>Journal of Molecular Liquids</i> , 2015 , 211, 792-802	6	22
89	Electrical conductivity and ac dielectric properties of La _{0.8} Ca _{0.2} Pb FeO ₃ (x= 0.05, 0.10 and 0.15) perovskite compounds. <i>Journal of Alloys and Compounds</i> , 2015 , 653, 506-512	5.7	50
88	Synthesis, crystal structure and electrical properties of N,N-dimethylanilinium trichloridostannate (II): (C ₈ H ₁₂ N)SnCl ₃ . <i>Journal of Molecular Structure</i> , 2015 , 1102, 71-80	3.4	19
87	Mechanical and Electrical Properties of Styrene-Isoprene-Styrene Copolymer Doped with Expanded Graphite Nanoplatelets. <i>Journal of Nanomaterials</i> , 2015 , 2015, 1-9	3.2	4
86	Electrical analysis of niobium oxide thin films. <i>Thin Solid Films</i> , 2015 , 585, 95-99	2.2	15
85	AC and DC electrical conductivity in natural rubber/nanofibrillated cellulose nanocomposites. <i>Journal of Molecular Liquids</i> , 2015 , 209, 272-279	6	39
84	Microwave dielectric properties of (Bi _{1-x} F _x)NbO ₄ ceramics prepared by the sol-gel method. <i>Ceramics International</i> , 2015 , 41, 8186-8190	5.1	15
83	Modelling the DC electrical conductivity of polymer/carbon black composites. <i>Journal of Electrostatics</i> , 2014 , 72, 187-191	1.7	15
82	Classical and Relaxor Ferroelectric Behavior of Titanate of Barium and Zirconium Ceramics. <i>Spectroscopy Letters</i> , 2014 , 47, 404-410	1.1	4

81	Effects of Mn doping on the electrical and dielectric properties of CaCu ₃ Ti ₄ O ₁₂ fibres. <i>Ceramics International</i> , 2014 , 40, 16503-16511	5.1	22
80	Molecular dynamics of nanocomposites natural rubber/cellulose nanowhiskers investigated by impedance spectroscopy. <i>Journal of Molecular Liquids</i> , 2014 , 196, 187-191	6	24
79	Electrical properties of Sn-doped Ba _{0.75} Sr _{0.25} Ti _{0.95} O ₃ perovskite. <i>Ceramics International</i> , 2014 , 40, 9355-9360	5.1	25
78	Study of the influence of thermal treatment on the magnetic properties of lithium ferrite prepared by wet ball-milling using nitrates as raw material. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2014 , 186, 83-88	3.1	14
77	Simulating electromagnetic field inside cavities charged with dielectric materials. <i>International Journal of Materials Engineering Innovation</i> , 2014 , 5, 336	0.9	1
76	Self-standing elastomeric composites based on lithium ferrites and their dielectric behavior. <i>Journal of Applied Physics</i> , 2014 , 116, 224102	2.5	4
75	Dielectric and Structural Properties of Lithium Ferrites. <i>Spectroscopy Letters</i> , 2014 , 47, 356-362	1.1	11
74	Dielectric relaxation studies on nanocomposites of rubber with nanofibrillated cellulose. <i>Journal of Non-Crystalline Solids</i> , 2013 , 378, 39-44	3.9	24
73	Potentiometric chemical sensors from lignin-poly(propylene oxide) copolymers doped by carbon nanotubes. <i>Analyst, The</i> , 2013 , 138, 501-8	5	23
72	New method to analyze dielectric relaxation processes: a study on polymethacrylate series. <i>Polymer International</i> , 2013 , 62, 1744-1749	3.3	10
71	CONJUGATION OF OPTICAL AND MICROWAVE TECHNIQUES TO MONITOR THE EARLY AGE CONCRETE CURE. <i>Instrumentation Science and Technology</i> , 2013 , 41, 117-124	1.4	
70	Dielectric relaxation of the Ca ₂ MnO ₄ system. <i>Journal of Alloys and Compounds</i> , 2013 , 577, S483-S487	5.7	8
69	Dielectric Properties of Polymers at Low Temperatures 2013 , 161-179		
68	Microwave processing of porcelain tableware using a multiple generator configuration. <i>Applied Thermal Engineering</i> , 2013 , 50, 677-682	5.8	18
67	Spectroscopy of radiation defects in rutile TiO ₂ . <i>Physica Status Solidi (B): Basic Research</i> , 2013 , 250, 843-849		2
66	Electrochemical impedance study of the lignin-derived conducting polymer. <i>Electrochimica Acta</i> , 2012 , 76, 69-76	6.7	30
65	Electrical conductivity and dielectric analysis of La _{0.75} (Ca,Sr) _{0.25} Mn _{0.85} Ga _{0.15} O ₃ perovskite compound. <i>Journal of Alloys and Compounds</i> , 2012 , 536, 173-178	5.7	61
64	Dielectric, morphological and structural properties of lithium ferrite powders prepared by solid state method. <i>Journal of Non-Crystalline Solids</i> , 2012 , 358, 1924-1929	3.9	41

63	Electrical conductivity studies on carbon black loaded ethylene butylacrylate polymer composites. <i>Journal of Non-Crystalline Solids</i> , 2012 , 358, 2810-2815	3.9	40
62	Thermal and Spectral Dielectric Properties of Polypyrrole/Polymethylmethacrylate Composites. <i>Spectroscopy Letters</i> , 2012 , 45, 477-481	1.1	6
61	Lignin-based polyurethane doped with carbon nanotubes for sensor applications. <i>Polymer International</i> , 2012 , 61, 788-794	3.3	38
60	Facile synthesis of hydrogenated reduced graphene oxide via hydrogen spillover mechanism. <i>Journal of Materials Chemistry</i> , 2012 , 22, 10457		46
59	Decrease in dielectric loss of CaCu ₃ Ti ₄ O ₁₂ by the addition of TeO ₂ . <i>Journal of Non-Crystalline Solids</i> , 2011 , 357, 775-781	3.9	37
58	DC electrical conductivity of carbon black polymer composites at low temperatures. <i>Journal of Non-Crystalline Solids</i> , 2011 , 357, 1741-1744	3.9	26
57	Double relaxation processes in the glass system xEu ₂ O ₃ /PbO/B ₂ O ₃ studied by broadband dielectric spectroscopy. <i>Journal of Non-Crystalline Solids</i> , 2011 , 357, 2178-2181	3.9	4
56	Electrical and dielectric properties of the Ca ₂ MnO ₄ system. <i>Solid State Communications</i> , 2011 , 151, 1331-1335	1.6	23
55	Electromagnetic and thermal history during microwave heating. <i>Applied Thermal Engineering</i> , 2011 , 31, 3255-3261	5.8	83
54	Colossal dielectric constant of poly- and single-crystalline CaCu ₃ Ti ₄ O ₁₂ fibres grown by the laser floating zone technique. <i>Acta Materialia</i> , 2011 , 59, 102-111	8.4	22
53	Physical properties of CaCu ₃ Ti ₄ O ₁₂ obtained from different EDTA-gel derived powders. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2011 , 208, 2284-2287	1.6	4
52	PTCR effect in carbon black/copolymer composites. <i>Physica B: Condensed Matter</i> , 2011 , 406, 245-249	2.8	11
51	Electric Modulus Analysis of Carbon Black/Copolymer Composite Materials. <i>Materials Sciences and Applications</i> , 2011 , 02, 1421-1426	0.3	10
50	Study of the structural and dielectric properties of xLiFe ₅ O ₈ (100%) LiNbO ₃ composites, processed using microwave energy. <i>Journal of Non-Crystalline Solids</i> , 2010 , 356, 602-606	3.9	6
49	Dielectric and structural properties of SiO ₂ -LiFe ₅ O ₈ glass/ceramics prepared by sol-gel processing. <i>Journal of Non-Crystalline Solids</i> , 2010 , 356, 607-610	3.9	4
48	Dielectric properties of CaCu ₃ Ti ₄ O ₁₂ (CCTO) doped with GeO ₂ . <i>Journal of Non-Crystalline Solids</i> , 2010 , 356, 822-827	3.9	36
47	Dielectric properties of the ethylene butylacrylate/carbon black nanocomposites. <i>Journal of Non-Crystalline Solids</i> , 2010 , 356, 270-274	3.9	13
46	Effect of temperature on the electrical properties of copolymer/carbon black mixtures. <i>Journal of Non-Crystalline Solids</i> , 2010 , 356, 1536-1541	3.9	27

45	Electric modulus-based analysis of the dielectric relaxation in carbon black loaded polymer composites. <i>Journal of Applied Physics</i> , 2010 , 107, 124111	2.5	55
44	Processing, structural and electric properties of CaCu ₃ Ti ₄ O ₁₂ (CCTO) doped with GeO ₂ . <i>International Journal of Nanomanufacturing</i> , 2010 , 5, 25	0.7	0
43	Synthesis and characterization of calcium copper titanate obtained by ethylenediaminetetraacetic acid gel combustion. <i>Materials Chemistry and Physics</i> , 2010 , 124, 580-586	4.4	18
42	Influence of ionizing radiation on physical properties of native and chemically modified starches. <i>Radiation Physics and Chemistry</i> , 2010 , 79, 75-82	2.5	13
41	Microwave dielectric properties of the system Ba _{1-x} Sr _x TiO ₃ . <i>Physica B: Condensed Matter</i> , 2010 , 405, 3741-3744	2.8	19
40	Structural and relaxor behavior of Ba[Zr _x Ti _{1-x}](Zn _{1/3} Nb _{2/3}) _y O ₃ ceramics obtained by a solid-state reaction. <i>Solid State Communications</i> , 2010 , 150, 1245-1248	1.6	14
39	Structural and optical properties on thulium-doped LHPG-grown Ta ₂ O ₅ fibres. <i>Microelectronics Journal</i> , 2009 , 40, 309-312	1.8	6
38	Hopping conduction on PANi/PSS blends. <i>Synthetic Metals</i> , 2009 , 159, 523-527	3.6	26
37	Dielectric relaxation and morphologic properties of CaCu ₃ Ti ₄ O ₁₂ doped with GeO ₂ . <i>Journal of Non-Crystalline Solids</i> , 2009 , 355, 2160-2164	3.9	16
36	Microwave dielectric permittivity and photoluminescence of Eu ₂ O ₃ doped laser heated pedestal growth Ta ₂ O ₅ fibers. <i>Applied Physics Letters</i> , 2008 , 92, 252904	3.4	5
35	Dielectric properties of polystyrene/CCTO composite. <i>Journal of Non-Crystalline Solids</i> , 2008 , 354, 5321-5322	3.9	52
34	Dielectric properties of ternary melt processed blends. <i>Journal of Non-Crystalline Solids</i> , 2008 , 354, 5323-5325	3.9	2
33	Crystallization of KNbO ₃ in a B ₂ O ₃ glass network. <i>Journal of Non-Crystalline Solids</i> , 2008 , 354, 5162-5164	3.9	12
32	Validation of a consciousness level scale for palliative care. <i>Palliative Medicine</i> , 2008 , 22, 724-9	5.5	13
31	Evaluating severe noise interference in IEEE 802.15.4 based location systems 2008 ,		1
30	Dielectric properties of PANI/PSS blends obtained by in situ polymerization technique. <i>Polymer Bulletin</i> , 2008 , 60, 379-386	2.4	6
29	Resonant cavity for the measurement of microwave magnetic permeability using the small perturbation theory. <i>Microwave and Optical Technology Letters</i> , 2008 , 50, 399-402	1.2	2
28	Microwave dielectric properties of NiFe ₂ O ₄ nanoparticles ferrites. <i>Microwave and Optical Technology Letters</i> , 2007 , 49, 1341-1343	1.2	16

27	Building a resonant cavity for the measurement of microwave dielectric permittivity of high loss materials. <i>Microwave and Optical Technology Letters</i> , 2007 , 49, 1687-1690	1.2	37
26	Percolation and order-disorder transition. <i>Physica B: Condensed Matter</i> , 2007 , 387, 250-258	2.8	8
25	Dielectric and morphological properties of PANi-DBSA blended with polystyrene sulfonic acid. <i>Synthetic Metals</i> , 2007 , 157, 945-950	3.6	11
24	Dielectric universal law of lead silicate glasses doped with neodymium oxide. <i>Journal of Non-Crystalline Solids</i> , 2007 , 353, 4380-4383	3.9	6
23	Electrical and magnetic properties of Polystyrene doped with Iron nanoparticles. <i>Polymer Bulletin</i> , 2006 , 57, 881-887	2.4	26
22	The evolution of poly(lactic acid) degradability by dielectric spectroscopy measurements. <i>European Polymer Journal</i> , 2005 , 41, 2122-2126	5.2	26
21	Rapid tooling by laser powder deposition: Process simulation using finite element analysis. <i>Acta Materialia</i> , 2005 , 53, 3987-3999	8.4	185
20	Percolation study by infrared thermography. <i>Microwave and Optical Technology Letters</i> , 2005 , 45, 335-337	2	5
19	Microwave dielectric properties of polybutylene terephthalate (PBT) with carbon black particles. <i>Microwave and Optical Technology Letters</i> , 2005 , 46, 61-63	1.2	14
18	Microwave dielectric properties of glass-reinforced polymers. <i>E-Polymers</i> , 2005 , 5,	2.7	1
17	A green-emitting CdSe/poly(butyl acrylate) nanocomposite. <i>Nanotechnology</i> , 2005 , 16, 1969-1973	3.4	23
16	Fabry-Pérot-based approach for the measurement of complex permittivity of samples inserted in resonant cavities. <i>Microwave and Optical Technology Letters</i> , 2004 , 43, 106-108	1.2	5
15	PTCR effect in polymer composites. <i>Journal of Materials Science Letters</i> , 2003 , 22, 699-700		4
14	Microwave dielectric properties of glasses in the system $x\text{Re}_2\text{O}_3 \cdot \text{PbO} \cdot 2\text{B}_2\text{O}_3$ ($x = 0.30$; Re = Gd, Nd). <i>Journal of Materials Science Letters</i> , 2003 , 22, 123-125		1
13	Free and/or bound water by dielectric measurements. <i>Food Chemistry</i> , 2003 , 82, 29-34	8.5	14
12	Dielectric method for the determination of a_w . <i>Food Chemistry</i> , 2003 , 82, 73-77	8.5	3
11	Electrical and dielectrical properties of the percolating system polystyrene/polypyrrole particles. <i>European Polymer Journal</i> , 2002 , 38, 1495-1499	5.2	42
10	Structural and electrical properties of polystyrene-carbon composites. <i>Solid State Communications</i> , 1999 , 112, 67-72	1.6	35

9	A spark-protected high-rate detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1999 , 431, 154-159	1.2	28
8	Transient behaviour and rate effects in resistive detectors. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1998 , 419, 485-489	1.2	6
7	Distribution of 1.68 eV emission from diamond films. <i>Journal of Applied Physics</i> , 1998 , 84, 2207-2211	2.5	5
6	Electrical properties of the polymer composite polystyrene/iron particles. <i>Journal De Chimie Physique Et De Physico-Chimie Biologique</i> , 1998 , 95, 1453-1456		8
5	Dielectric behaviour of Nd ions in the lead borate glass. <i>Journal of Non-Crystalline Solids</i> , 1994 , 172-174, 1324-1327	3.9	10
4	Structural investigation of the silica-titania gel/glass transition. <i>Journal of Non-Crystalline Solids</i> , 1992 , 145, 175-179	3.9	41
3	Sol-gel formation of silica-zirconia glasses. <i>Journal of Non-Crystalline Solids</i> , 1992 , 147-148, 335-339	3.9	13
2	Dielectric relaxation in glasses containing different relaxing species. <i>Journal of Non-Crystalline Solids</i> , 1991 , 131-133, 990-993	3.9	6
1	Observation of dimers R-O-R in the glasses $\text{Gd}_2\text{O}_3 \cdot \text{PbO} \cdot 2\text{B}_2\text{O}_3$. <i>Journal of Materials Science Letters</i> , 1990 , 9, 301-303		10