

# Gamal M Turkey

## 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.

93 papers	1,101 citations	19 h-index	28 g-index
102 ext. papers	1,361 ext. citations	3.3 avg, IF	5.04 L-index

#	Paper	IF	Citations
93	Epoxy resin reinforced with graphene derivatives: physical and dielectric properties. <i>Journal of Polymer Research</i> , <b>2022</b> , 29, 1	2.7	2
92	Structural, Magnetic, and Dielectric Spectroscopy Investigations of Multiferroic Composite Based on Perovskite/Spinel Approach. <i>ECS Journal of Solid State Science and Technology</i> , <b>2022</b> , 11, 033008	2	0
91	Electrical properties and heavy ions removal ability of graphitic carbon nitride/polypyrrole composite. <i>Journal of Physics and Chemistry of Solids</i> , <b>2022</b> , 110741	3.9	1
90	Novel Negative Capacitance and Conductance in All Temperatures and Voltages of Au/CNTs/n-Si/Al at Low and High Frequencies. <i>ECS Journal of Solid State Science and Technology</i> , <b>2021</b> , 10, 111007	2	0
89	Electrically conductive and UV protective graphene surface-modified polyester blends. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2021</b> , 32, 28358	2.1	0
88	Analysis of Electrical and Capacitance/Voltage of PVA/nSi. <i>Journal of Electronic Materials</i> , <b>2021</b> , 50, 3498-3516	3.5	8
87	Fabrication, Electrical and Dielectric Characterization of Au/CNT/TiO <sub>2</sub> /SiO <sub>2</sub> /p-Si/Al with High Dielectric Constant, Low Loss Dielectric Tangent. <i>ECS Journal of Solid State Science and Technology</i> , <b>2021</b> , 10, 051003	2	3
86	Carboxymethyl Cellulose-Based Hydrogel: Dielectric Study, Antimicrobial Activity and Biocompatibility. <i>Arabian Journal for Science and Engineering</i> , <b>2021</b> , 46, 17-30	2.5	15
85	Synthesis, characterization and electrical insulation of polyester plasma sprayed by (CaO <sub>3</sub> Si/CuO) nanoparticles. <i>Materials Today: Proceedings</i> , <b>2021</b> , 43, 3336-3344	1.4	0
84	Electrical performance of nanocrystalline graphene oxide/SiO <sub>2</sub> -based hybrid heterojunction device. <i>Materials Science in Semiconductor Processing</i> , <b>2021</b> , 121, 105415	4.3	10
83	Conducting chitosan/hydroxylethyl cellulose/polyaniline bionanocomposites hydrogel based on graphene oxide doped with Ag-NPs. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 167, 1435-1444	7.9	21
82	The interplay between molecular structure and dielectric properties in ionic liquids: A comparative study. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 324, 114674	6	1
81	Negative Capacitance, Negative Resistance in CNT/TiO <sub>2</sub> /SiO <sub>2</sub> /p-Si Heterostructure for Light-Emitting Diode Applications. <i>ECS Journal of Solid State Science and Technology</i> , <b>2021</b> , 10, 031006	2	6
80	Dielectric and electrical properties of MoO <sub>3</sub> -doped borophosphate glass: dielectric spectroscopy investigations. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2021</b> , 32, 22417-22428	2.1	4
79	Self-glazing dielectric ceramic bodies fabricated from Egyptian rhyodacite and kaolin. <i>Materials Chemistry and Physics</i> , <b>2021</b> , 270, 124785	4.4	2
78	Investigation of Dielectric Properties of a Novel Structure Au/CNTs/TiO <sub>2</sub> /SiO <sub>2</sub> /p-Si/Al. <i>ECS Journal of Solid State Science and Technology</i> , <b>2021</b> , 10, 091014	2	
77	Optimizing the dielectric constant and dissipation factor of PVA/n-Si Schottky diode. <i>Materials Chemistry and Physics</i> , <b>2021</b> , 272, 125051	4.4	0

76	Anomalous activation behavior of the conductivity mechanisms in polyaniline-doped graphitic carbon nitride. <i>Journal of Physics and Chemistry of Solids</i> , <b>2021</b> , 158, 110243	3.9	3
75	Synthesis, characterization and electrical properties of conducting nanoparticles of graphene oxide. <i>Materials Today: Proceedings</i> , <b>2021</b> , 44, 3017-3024	1.4	6
74	Effect of Yttrium Oxide in Hydroxyapatite Biocomposite Materials: Electrical and Antimicrobial Evaluation. <i>ECS Journal of Solid State Science and Technology</i> , <b>2021</b> , 10, 123014	2	0
73	Dynamic processes and charge carriers transport in polyvinyl acetate/polyaniline composites. <i>SN Applied Sciences</i> , <b>2020</b> , 2, 1	1.8	1
72	Structural, Magnetic, and Dielectric properties of SrFeO ferrite prepared of small crystallites. <i>Scientific Reports</i> , <b>2020</b> , 10, 4955	4.9	9
71	Influence of CuO on crystallization and electrical properties of B2O3-Bi2O3-GeO2- CaF2 glass system for thermoelectronic applications. <i>Journal of Non-Crystalline Solids</i> , <b>2020</b> , 544, 120185	3.9	12
70	Enhancement of electrical and dielectrically performance of graphene-based promise electronic devices. <i>Synthetic Metals</i> , <b>2020</b> , 261, 116303	3.6	19
69	Microstructure and dielectric study of pure BST and doped BSTF ceramic materials by broadband dielectric spectroscopy. <i>Current Applied Physics</i> , <b>2020</b> , 20, 611-618	2.6	5
68	In situ synthesis of FeO@ cyanoethyl cellulose composite as antimicrobial and semiconducting film. <i>Carbohydrate Polymers</i> , <b>2020</b> , 236, 116032	10.3	22
67	Characterization of zinc lead-borate glasses doped with Fe <sup>3+</sup> ions: optical, dielectric, and ac-conductivity investigations. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2020</b> , 31, 17044-17054 <sup>2,1</sup>	2.1	6
66	Rational design of active packaging films based on polyaniline-coated polymethyl methacrylate/nanocellulose composites. <i>Polymer Bulletin</i> , <b>2020</b> , 77, 2485-2499	2.4	8
65	Rational design and electrical study of conducting bionanocomposites hydrogel based on chitosan and silver nanoparticles. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 140, 886-894	7.9	23
64	Dielectric investigations and charge transport in PS-PAni composites with ionic and nonionic surfactants. <i>Journal of Physics and Chemistry of Solids</i> , <b>2019</b> , 133, 163-170	3.9	7
63	Lead telluride nanocrystalline thin films: Structure, optical characterization and a broadband dielectric spectroscopy study. <i>Current Applied Physics</i> , <b>2019</b> , 19, 787-793	2.6	11
62	Development of electrical conducting nanocomposite based on carboxymethyl cellulose hydrogel/silver nanoparticles@polypyrrole. <i>Synthetic Metals</i> , <b>2019</b> , 250, 104-114	3.6	21
61	Enhancing the electrical conductivity of vanadate glass system (Fe2O3, B2O3, V2O5) via doping with sodium or strontium cations. <i>Ceramics International</i> , <b>2019</b> , 45, 11838-11843	5.1	17
60	Development of biodegradable semiconducting foam based on micro-fibrillated cellulose/Cu-NPs. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 132, 351-359	7.9	20
59	Impact of RGO on electrical and dielectric properties of Co3O4/RGO nanocomposite. <i>Materials Research Express</i> , <b>2019</b> , 6, 105039	1.7	4

58	Silane-Functionalized graphene oxide/epoxy resin nanocomposites: Dielectric and thermal studies. <i>Journal of Applied Polymer Science</i> , <b>2019</b> , 136, 48253	2.9	5
57	Conducting hydrogel based on chitosan, polypyrrole and magnetite nanoparticles: a broadband dielectric spectroscopy study. <i>Polymer Bulletin</i> , <b>2019</b> , 76, 3175-3194	2.4	18
56	Synthesis and characterization of polyaniline/tosylcellulose stearate composites as promising semiconducting materials. <i>Synthetic Metals</i> , <b>2018</b> , 236, 44-53	3.6	22
55	Dielectric study of polystyrene/polycaprolactone composites prepared by miniemulsion polymerization. <i>Journal of Physics and Chemistry of Solids</i> , <b>2018</b> , 119, 56-61	3.9	9
54	Comparative study between prepared electrical grease and the imported one. <i>Egyptian Journal of Petroleum</i> , <b>2018</b> , 27, 209-213	3.4	3
53	Morphological, electrical & antibacterial properties of trilayered Cs/PAA/PPy bionanocomposites hydrogel based on FeO-NPs. <i>Carbohydrate Polymers</i> , <b>2018</b> , 196, 483-493	10.3	44
52	Hyperbranched poly(amidoamine)/kaolinite nanocomposites: Structure and charge carrier dynamics. <i>Polymer</i> , <b>2017</b> , 121, 64-74	3.9	21
51	Relaxation dynamic and electrical mobility for poly(methyl methacrylate)-polyaniline composites. <i>Journal of Applied Polymer Science</i> , <b>2017</b> , 134, 45415	2.9	22
50	Study of phase separation and anomalous molecular behavior of Jojoba oil using dielectric spectroscopy. <i>Journal of Molecular Liquids</i> , <b>2017</b> , 242, 1-7	6	7
49	Rubber nanocomposites with new core-shell metal oxides as nanofillers <b>2017</b> , 249-283		3
48	Biological studies and electrical conductivity of paper sheet based on PANI/PS/Ag-NPs nanocomposite. <i>Carbohydrate Polymers</i> , <b>2016</b> , 147, 333-343	10.3	47
47	Polyaniline and modified titanate nanowires layer-by-layer plastic electrode for flexible electronic device applications. <i>RSC Advances</i> , <b>2016</b> , 6, 94556-94563	3.7	19
46	Electrical investigations of polyaniline/sulfonated polystyrene composites using broadband dielectric spectroscopy. <i>Synthetic Metals</i> , <b>2015</b> , 209, 34-40	3.6	22
45	Structure-Property Relationships of Hyperbranched Polymer/Kaolinite Nanocomposites. <i>Macromolecules</i> , <b>2015</b> , 48, 6562-6573	5.5	20
44	Dielectric Response in the First Silicon Phthalocyanine Network Polymer. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , <b>2014</b> , 24, 347-354	3.2	5
43	Synthesis and Electric Modulus Formalism of Novel Metal-Phthalocyanine Bridged Polymers. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , <b>2014</b> , 24, 858-864	3.2	6
42	Confinement Effects on the Molecular Dynamics of Liquid-Crystalline Polymethacrylates: A Broadband Dielectric Spectroscopy Study. <i>Macromolecular Chemistry and Physics</i> , <b>2012</b> , 213, 2420-2431	2.6	6
41	Hydrogen storing and electrical properties of hyperbranched polymers-based nanoporous materials. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2011</b> , 176, 1184-1189	3.1	12

40	Poly phenylenediamine and its TiO <sub>2</sub> composite as hydrogen storage material. <i>Materials Chemistry and Physics</i> , <b>2011</b> , 128, 507-513	4.4	7
39	Dielectric dynamics of some nylon 6/CaCO <sub>3</sub> composites using broadband dielectric spectroscopy. <i>Journal of Applied Polymer Science</i> , <b>2011</b> , 122, 2039-2046	2.9	10
38	Morphology and electrical properties of hybrid and sulphonated oxalic acid-doped polyaniline. <i>Synthetic Metals</i> , <b>2010</b> , 160, 1774-1779	3.6	13
37	Secondary relaxations and electrical conductivity in hyperbranched polyester amides. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2010</b> , 48, 1651-1657	2.6	27
36	Electrical and thermal properties of nylon 6/calcium carbonate composites. <i>Advances in Polymer Technology</i> , <b>2009</b> , 28, 257-266	1.9	16
35	Broadband dielectric spectroscopy on the molecular dynamics in different generations of hyperbranched polyester. <i>Journal of Applied Polymer Science</i> , <b>2009</b> , 113, 2477-2484	2.9	35
34	Structure and molecular dynamics of hyperbranched polymeric systems with urethane and urea linkages. <i>Polymer</i> , <b>2009</b> , 50, 4039-4047	3.9	23
33	Charge Transport and Dipolar Relaxations in Hyperbranched Polyamide Amines. <i>Macromolecules</i> , <b>2009</b> , 42, 1648-1651	5.5	47
32	Dielectric Properties of Hyperbranched Polyesteramide with Long Alkyl Chain End Groups. <i>Macromolecular Symposia</i> , <b>2007</b> , 254, 1-8	0.8	7
31	Dielectric Properties of Hyperbranched Polyesteramide with Long Alkyl Chain End Groups <b>2007</b> , 254, 1		1
30	Dielectric Study of Molecular Mobility in Poly(propylene-graft-maleic anhydride)/Clay Nanocomposites. <i>Macromolecules</i> , <b>2005</b> , 38, 2764-2774	5.5	105
29	Influence of azobenzene concentration on the dielectric behavior of amorphous comb-like copolymers with photochromic side groups. <i>Polymer</i> , <b>2004</b> , 45, 255-262	3.9	14
28	Effect of Mixing Conditions and Chemical Cross-Linking Agents on the Physicomechanical and Electrical Properties of NR/NBR Blends. <i>Polymer-Plastics Technology and Engineering</i> , <b>2003</b> , 42, 269-284		10
27	Spectral and electrical properties of ternary (TeO <sub>2</sub> -2O <sub>5</sub> -m2O <sub>3</sub> ) glasses. <i>Materials Chemistry and Physics</i> , <b>2003</b> , 77, 48-59	4.4	78
26	Preparation, characterization, and some physical properties of polypropylene/poly(methyl acrylate)-grafted glass wool composites. <i>Journal of Applied Polymer Science</i> , <b>2003</b> , 87, 723-732	2.9	1
25	Solid-Solid interactions in Li <sub>2</sub> O-doped cobalt/magnesium mixed oxides system and the electrical properties of the produced solids. <i>Solid State Ionics</i> , <b>2003</b> , 156, 337-347	3.3	5
24	Effect of surface modification of glass wool on the mechanical and electrical properties of polypropylene/modified glass-wool composites. <i>Journal of Applied Polymer Science</i> , <b>2002</b> , 85, 1061-1069 <sup>2.9</sup>		
23	Effect of polymer loading on the electrical and thermodynamic properties in relation to gas chromatographic applications. <i>Journal of Applied Polymer Science</i> , <b>2001</b> , 82, 1709-1717	2.9	4

22	Electrical properties of pure and Li <sub>2</sub> O-doped CuO/Fe <sub>2</sub> O <sub>3</sub> system precalcined at different temperatures. <i>Solid State Ionics</i> , <b>2001</b> , 140, 395-403	3.3	8
21	Effect of fillers and vulcanizing systems on the physicomechanical and electrical properties of EPDM vulcanizates. <i>Polymer-Plastics Technology and Engineering</i> , <b>2001</b> , 40, 635-652		11
20	Effect of Cerium Oxide Addition on Electrical Properties of ZnO. <i>Key Engineering Materials</i> , <b>2001</b> , 206-213, 1341-1344	0.4	
19	Physicochemical properties of hydrolyzed and blended chitin. <i>Polymer-Plastics Technology and Engineering</i> , <b>2001</b> , 40, 745-752		
18	Dielectric and Chromatographic Characterization of Polyethylene Glycols as Stationary Phases. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , <b>2001</b> , 50, 129-140	3	4
17	Dielectric and Mechanical Behavior of Treated Paper Sheet. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , <b>2000</b> , 47, 423-441	3	1
16	ELECTROMECHANICAL BEHAVIOR OF NATURAL RUBBER/IGNOCELLULOSIC MATERIAL COMPOSITES. <i>Polymer-Plastics Technology and Engineering</i> , <b>2000</b> , 39, 249-263		7
15	Dielectric Properties of Bagasse and its Constituents. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , <b>2000</b> , 46, 169-179	3	2
14	Effect of $\gamma$ Radiation on the Dielectric Behaviour of Some Agricultural Wastes. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , <b>2000</b> , 46, 157-167	3	1
13	Effect of Li <sub>2</sub> O doping on electrical properties of CoFe <sub>2</sub> O <sub>4</sub> . <i>Solid State Ionics</i> , <b>1999</b> , 120, 173-181	3.3	63
12	Dielectric Studies of Dilute Solutions of Binary Mixtures of N,N-Dimethylformamide and 1-Hexanol in the Non-Polar Solvent Mesitylene. <i>Physics and Chemistry of Liquids</i> , <b>1997</b> , 34, 15-24	1.5	
11	Dielectric Properties of Solutions of a Binary Mixture Resorcinol/n-Dodecanol in Heptane. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , <b>1996</b> , 51, 215-217	1.4	4
10	Dielectric properties of some ternary mixtures of normal alcohols and aliphatic diols with heptane. <i>Journal of Molecular Liquids</i> , <b>1996</b> , 69, 133-141	6	6
9	Dielectric Relaxation of Some N, N-Disubstituted Amides. <i>Physics and Chemistry of Liquids</i> , <b>1995</b> , 29, 263-271	3.1	7
8	Dielectric Relaxation of Trimethylphosphate in its Pure Liquid State and in Mesitylene Solution. <i>Zeitschrift Fur Physikalische Chemie</i> , <b>1995</b> , 191, 251-258	3.1	1
7	Dielectric Properties of 1-Hexanol in Mesitylene Solution on Admixture of Aromatic Dihydric Alcohols. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , <b>1994</b> , 49, 503-510	1.4	7
6	Dielectric Properties of 4-Cyanobiphenyl in 1,4-Dioxane Solution. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , <b>1994</b> , 49, 949-952	1.4	2
5	Dipolar orientation mechanisms for dilute mixtures of alcohols in non-polar solvents. <i>Journal of the Chemical Society, Faraday Transactions</i> , <b>1992</b> , 88, 1819		3

4	Investigation of Crystal Structure, Electrical and Magnetic Properties of Spinel Mn-Cd Ferrite Nanoparticles. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> ,1	3.2	2
3	Current Transport, Photosensitive, and Dielectric Properties of PVA/n-Si Heterojunction Photodiode. <i>Silicon</i> ,1	2.4	3
2	Enhancement of Electrical and Dielectric Properties of Graphene Oxide-nanoparticle Based Devices. <i>Silicon</i> ,1	2.4	7
1	Impact of high NiO content on the structural, optical, and dielectric properties of calcium lithium silicate glasses. <i>Journal of Materials Science: Materials in Electronics</i> ,1	2.1	0