

Electromagnetic interference shielding through MWNT/Fe₃O₄ nanoparticles in PC/SA

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Extraordinary Synergy in Attenuating Microwave Radiation with Cobalt-Decorated Graphene Oxide and Carbon Nanotubes in Polycarbonate/Poly(styrene- <i>co</i> -acrylonitrile) Blends. <i>ChemNanoMat</i> , 2015, 1, 603-614.	1.5	24
2	Tailoring the dispersion of multiwall carbon nanotubes in co-continuous PVDF/ABS blends to design materials with enhanced electromagnetic interference shielding. <i>Journal of Materials Chemistry A</i> , 2015, 3, 7974-7985.	5.2	109
3	Peculiar morphological transitions induced by nanoparticles in polymeric blends: retarded relaxation or altered interfacial tension?. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 14470-14478.	1.3	37
4	In situ synthesis of ternary BaTiO ₃ /MWNT/PBO electromagnetic microwave absorption composites with excellent mechanical properties and thermostabilities. <i>Journal of Materials Chemistry A</i> , 2015, 3, 8205-8214.	5.2	41
5	Tailored electrical conductivity, electromagnetic shielding and thermal transport in polymeric blends with graphene sheets decorated with nickel nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 14922-14930.	1.3	76
6	Engineering nanostructured polymer blends with controlled nanoparticle location for excellent microwave absorption: a compartmentalized approach. <i>Nanoscale</i> , 2015, 7, 11334-11351.	2.8	98
7	A carbon fiber based three-phase heterostructure composite CF/Co _{0.2} Fe _{2.8} O ₄ /PANI as an efficient electromagnetic wave absorber in the K _u band. <i>RSC Advances</i> , 2015, 5, 50024-50032.	1.7	36
8	Tailor-Made Distribution of Nanoparticles in Blend Structure toward Outstanding Electromagnetic Interference Shielding. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 25448-25463.	4.0	93
9	Hyperbranched copper phthalocyanine decorated Fe ₃ O ₄ microspheres with extraordinary microwave absorption properties. <i>RSC Advances</i> , 2015, 5, 7018-7022.	1.7	25
10	Enzymatically degradable EMI shielding materials derived from PCL based nanocomposites. <i>RSC Advances</i> , 2015, 5, 17716-17725.	1.7	32
11	Microwave absorbers designed from PVDF/SAN blends containing multiwall carbon nanotubes anchored cobalt ferrite via a pyrene derivative. <i>Journal of Materials Chemistry A</i> , 2015, 3, 12413-12426.	5.2	81
12	Engineering Nanostructures by Decorating Magnetic Nanoparticles onto Graphene Oxide Sheets to Shield Electromagnetic Radiations. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 16266-16278.	4.0	82
13	Tailored interface and enhanced elastic modulus in epoxy-based composites in presence of branched poly(ethyleneimine) grafted multiwall carbon nanotubes. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 7907-7913.	1.3	14
14	Fabrication and electromagnetic loss properties of Fe ₃ O ₄ nanofibers. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 3474-3478.	1.1	38
15	Mesocarbon microsphere composites with Fe ₃ O ₄ nanoparticles for outstanding electromagnetic interference shielding effectiveness. <i>RSC Advances</i> , 2015, 5, 43279-43289.	1.7	29
16	3D Fe ₃ O ₄ nanocrystals decorating carbon nanotubes to tune electromagnetic properties and enhance microwave absorption capacity. <i>Journal of Materials Chemistry A</i> , 2015, 3, 12621-12625.	5.2	284
17	Attenuating microwave radiation by absorption through controlled nanoparticle localization in PC/PVDF blends. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 27698-27712.	1.3	46
18	Electrically conductive and electromagnetic interference shielding of polyethylene composites with devisable carbon nanotube networks. <i>Journal of Materials Chemistry C</i> , 2015, 3, 9369-9378.	2.7	227

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38	Phase specific dispersion of functional nanoparticles in soft nanocomposites resulting in enhanced electromagnetic screening ability dominated by absorption. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 467-479.	1.3	30
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48	Hollow Fe ₃ O ₄ @DA-SO ₃ H: an efficient and reusable heterogeneous nano-magnetic acid catalyst for synthesis of dihydropyridine and dioxodecahydroacridine derivatives. <i>Journal of the Iranian Chemical Society</i> , 2017, 14, 791-801.	1.2	17
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57	A Novel Strategy for Synthesis of Polystyrene/Fe ₃ O ₄ Nanocomposite: RAFT Polymerization, Functionalization, and Coordination Techniques. <i>Polymer-Plastics Technology and Engineering</i> , 2017, 56, 873-882.	1.9	16
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77	Influence of Nickel Layer on Electromagnetic Interference Shielding Effectiveness of Cu-Polyacrylonitrile Fibers. <i>Bulletin of the Korean Chemical Society</i> , 2018, 39, 1406-1411.	1.0	12
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149	Electromagnetic interference shielding thermoplastic composites reinforced with carbon based hybrid materials: a review. <i>Composite Interfaces</i> , 2022, 29, 1413-1470.	1.3	2
150	From waste to wealth: A critical review on advanced materials for EMI shielding. <i>Journal of Applied Polymer Science</i> , 2022, 139, .	1.3	12
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