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Charge transport mechanism of graphite-nanosheet-loaded rubber nanocomposites

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#	Paper	IF	Citations
50	The influence of zinc ferrites nanoparticles on the thermal, mechanical, and magnetic properties of rubber nanocomposites. <i>Polymer Composites</i> , 2012 , 33, 1672-1677	3	13
49	Development of nanoimprinted InP QDs decorated polyaniline solar cell with conversion efficiency 3%. <i>Organic Electronics</i> , 2013 , 14, 2762-2769	3.5	36
48	Synthesis and characterization of electropolymerized molecularly imprinted microporous polyaniline films for solar cell applications. <i>Polymer Composites</i> , 2013 , 34, 299-304	3	68
47	Synthesis and characterization of PVA/YBCO nanocomposite for improvement of solar energy conversion. <i>Polymer Composites</i> , 2013 , 34, 587-591	3	73
46	Evolution from graphite to graphene elastomer composites. <i>Progress in Polymer Science</i> , 2014 , 39, 749-780	6.6	272
45	Synthesis and characterization of novel Cu ₂ O/PVDF nanocomposites for flexible ferroelectric organic electronic memory devices. <i>Current Applied Physics</i> , 2017 , 17, 1181-1188	2.6	16
44	Evaluation of the spectroscopic ellipsometry and dielectric properties of Cr ₂ O ₃ nanoparticles doped PVDF thin films for future application of organic ferroelectric junctions. <i>Optik</i> , 2017 , 138, 207-213	2.5	4
43	Testing the influence of the temperature, RH and filler type and content on the universal power law for new reduced graphene oxide TPU composites. <i>Materials Research Express</i> , 2017 , 4, 105020	1.7	14
42	Graphene-Rubber Nanocomposites: Preparation, Structure, and Properties. 2017 , 175-209		3
41	Synthesis, characterization, and charge transport mechanism of polyaniline/ZnSe nanocomposites for promising optoelectronic applications. <i>Polymer Composites</i> , 2018 , 39, 1724-1730	3	3
40	The effect of synthetic parameters on the structure and luminescence properties of Zn _{1-x} W _x S quantum dots prepared via 2,2'-(Octadec-9-enylimino)bisethanol assisted microwave technique. <i>Optik</i> , 2018 , 171, 768-775	2.5	
39	The structure, optical absorption and luminescence properties of the Zn _{1-x} Th _x Se quantum dots prepared via mercaptoethanol assisted colloidal approach. <i>Optik</i> , 2019 , 193, 162984	2.5	
38	Synthesis and characterization of p-type transparent conducting Ni _{1-x} Ru _x O (0 ≤ x ≤ 0.1) films prepared by pulsed laser deposition. <i>Ceramics International</i> , 2019 , 45, 7984-7994	5.1	48
37	Optical and luminescence characteristics for Cd _{1-x} Er _x Te quantum dots prepared via furan-2-ylmethanethiol assisted hydrothermal approach. <i>Optik</i> , 2019 , 178, 394-402	2.5	
36	The optoelectronic properties of c-oriented surface patterned Zn _{1-x} Cr _x O thin films developed via trifluoroacetic acid assisted solvothermal approach for selective blue light photodiode. <i>Optics and Laser Technology</i> , 2019 , 111, 515-522	4.2	
35	Synthesis and characterization of surface patterned nanoimprinted in 1-xCr _x P(VDF-TrFE) nanocomposite films for solar cell application potential. <i>Polymer Composites</i> , 2019 , 40, E136	3	1
34	The optical and luminescence properties of Zn _{1-x} Gd _x O (0 ≤ x ≤ 0.07) quantum dots synthesized via tetraethyl orthosilicate assisted colloidal regime for laser diodes application potential. <i>Optik</i> , 2020 , 206, 163748	2.5	1

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31	The optical performance of Cd _{1-x} Tm _x Te (0 ≤ x ≤ 0.07) QDs synthesized via s,s'-phenylenebis-ethynediyl-phenylene-bisthioacetate assisted microwave approach for laser devices. <i>Optik</i> , 2020 , 220, 164814	2.5	
30	Synthesis and optical characterization of multi-emission Ni ₂ Yb _{1-x} O photonic semiconducting quantum dots prepared using hydrothermal approach for nano-optical colored amplifiers and light emitting diodes. <i>Optik</i> , 2020 , 208, 164541	2.5	1
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26	Development of highly sensitive temperature sensor made of graphene monolayers doped P(VDF-TrFE) nanocomposites. <i>Sensors and Actuators A: Physical</i> , 2020 , 312, 112101	3.9	31
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22	The impact of light photons on silver nanophotonic crystals synthesized via ascorbic acid assisted colloidal approach. <i>Optik</i> , 2020 , 207, 164381	2.5	
21	One pot synthesis of highly luminescent Cd _{1-x} Os _x Te (0 ≤ x ≤ 0.1) nanocrystals synthesized via poly(9,9-dioctylfluorene-alt-benzothiadiazole) assisted polyol approach. <i>Optik</i> , 2020 , 208, 164524	2.5	
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18	The luminescence and quantum optical efficiency characteristics of Lu-doped CdSe QDs prepared by ethylglycol assisted solvothermal approach for laser diode and multicolor display window applications. <i>Optik</i> , 2021 , 226, 165950	2.5	
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10	Syntheses and characterization of Ru _x V _{1-x} O ₂ (0 ≤ x ≤ 0.05)/graphene nanocomposites for flexible supercapacitors and energy storage devices. <i>Ceramics International</i> , 2021 , 47, 30888-30894	5.1	5
9	The structure and optical properties of Cd _{1-x} HoxS QDs prepared via ethylene glycol assisted solvothermal route for optoelectronic application. <i>Physica B: Condensed Matter</i> , 2021 , 622, 413329	2.8	
8	The luminescence characteristics of multicolors-tunable Zn _{1-x} Er _x Se QDs prepared via microwave irradiation technique for light emitting diode applications. <i>Optik</i> , 2020 , 223, 165644	2.5	2
7	The interact of photons of light with photonic gold nanocrystals prepared using eriocephalus punctulatus assisted poly-yol route. <i>Optik</i> , 2020 , 224, 165543	2.5	
6	The structure and optoelectronic characteristics of Ni _{1-x} Al _x O films synthesized via co-sputtering technique. <i>Physica B: Condensed Matter</i> , 2022 , 626, 413575	2.8	0
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