

Anil Ohlan

List of Publications by Year in descending order

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39
papers

2,672
citations

257450

24
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330143

37
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docs citations

39
times ranked

2557
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanostructured graphene/Fe ₃ O ₄ incorporated polyaniline as a high performance shield against electromagnetic pollution. <i>Nanoscale</i> , 2013, 5, 2411.	5.6	502
2	Microwave Absorption Behavior of Core-Shell Structured Poly (3,4-Ethylenedioxy Thiophene)-Barium Ferrite Nanocomposites. <i>ACS Applied Materials & Interfaces</i> , 2010, 2, 927-933.	8.0	353
3	Microwave absorption properties of conducting polymer composite with barium ferrite nanoparticles in 12.4–18GHz. <i>Applied Physics Letters</i> , 2008, 93, .	3.3	185
4	Thermal, dielectric and microwave absorption properties of polyaniline-CoFe ₂ O ₄ nanocomposites. <i>Composites Science and Technology</i> , 2011, 71, 1754-1760.	7.8	159
5	Poly (3,4-ethylenedioxythiophene)-Fe ₂ O ₃ polymer composite's super paramagnetic behavior and variable range hopping 1D conduction mechanism's synthesis and characterization. <i>Polymers for Advanced Technologies</i> , 2008, 19, 229-236.	3.2	158
6	Nanostructured Polyaniline/Graphene/Fe ₂ O ₃ Composites Hydrogel as a High-Performance Flexible Supercapacitor Electrode Material. <i>ACS Applied Energy Materials</i> , 2020, 3, 6434-6446.	5.1	113
7	Synthesis of conducting ferromagnetic nanocomposite with improved microwave absorption properties. <i>Materials Chemistry and Physics</i> , 2010, 119, 201-207.	4.0	93
8	Dielectric and magnetic properties of conducting ferromagnetic composite of polyaniline with γ -Fe ₂ O ₃ nanoparticles. <i>Materials Chemistry and Physics</i> , 2008, 112, 651-658.	4.0	92
9	Conducting polymer embedded with nanoferrite and titanium dioxide nanoparticles for microwave absorption. <i>Synthetic Metals</i> , 2009, 159, 2259-2262.	3.9	88
10	EMI shielding properties of laminated graphene and PbTiO ₃ reinforced poly(3,4-ethylenedioxythiophene) nanocomposites. <i>Composites Science and Technology</i> , 2018, 165, 222-230.	7.8	87
11	In Situ Synthesis of Polypyrrole- γ -Fe ₂ O ₃ -Fly Ash Nanocomposites for Protection against EMI Pollution. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 14282-14290.	3.7	75
12	Reduced Graphene Oxide Functionalized Strontium Ferrite in Poly(3,4-ethylenedioxythiophene) Conducting Network: A High-Performance EMI Shielding Material. <i>Advanced Materials Technologies</i> , 2019, 4, 1900023.	5.8	72
13	Conducting polymer hydrogel based electrode materials for supercapacitor applications. <i>Journal of Energy Storage</i> , 2022, 45, 103510.	8.1	70
14	Synthesis of ferrofluid based nanoarchitected polypyrrole composites and its application for electromagnetic shielding. <i>Materials Chemistry and Physics</i> , 2014, 143, 806-813.	4.0	57
15	Conjugated polymer nanocomposites: Synthesis, dielectric, and microwave absorption studies. <i>Journal of Applied Physics</i> , 2009, 106, .	2.5	55
16	Structural, magnetic and ferroelectric properties of Pr doped multiferroics bismuth ferrites. <i>Journal of Magnetism and Magnetic Materials</i> , 2015, 394, 385-390.	2.3	47
17	Effect of mechanical milling on structural, dielectric and magnetic properties of BaTiO ₃ -Ni _{0.5} Co _{0.5} Fe ₂ O ₄ multiferroic nanocomposites. <i>Ceramics International</i> , 2017, 43, 3246-3251.	4.8	42
18	Poly (3, 4-ethylene dioxythiophene) laminated reduced graphene oxide composites for effective electromagnetic interference shielding. <i>Journal of Alloys and Compounds</i> , 2016, 682, 52-60.	5.5	41

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19	Effect of replacement of Bi ₂ O ₃ by Li ₂ O on structural, thermal, optical and other physical properties of zinc borate glasses. <i>Journal of Molecular Structure</i> , 2020, 1219, 128589.	3.6	41
20	Synthesis, characterization and surface properties of Fe ₂ O ₃ decorated ferromagnetic polypyrrole nanocomposites. <i>Journal of Alloys and Compounds</i> , 2012, 538, 107-114.	5.5	35
21	In situ decoration of silver nanoparticles on single-walled carbon nanotubes by microwave irradiation for enhanced and durable anti-bacterial finishing on cotton fabric. <i>Ceramics International</i> , 2019, 45, 1011-1019.	4.8	33
22	One pot synthesis and electromagnetic interference shielding behavior of reduced graphene oxide nanocomposites decorated with Ni _{0.5} Co _{0.5} Fe ₂ O ₄ nanoparticles. <i>Journal of Alloys and Compounds</i> , 2021, 887, 161472.	5.5	32
23	Conducting ferromagnetic copolymer of aniline and 3,4-ethylenedioxythiophene containing nanocrystalline barium ferrite particles. <i>Journal of Applied Polymer Science</i> , 2008, 108, 2218-2225.	2.6	31
24	Structural, optical, thermal and other physical properties of Bi ₂ O ₃ modified Lithium Zinc Silicate glasses. <i>Journal of Molecular Structure</i> , 2021, 1234, 130160.	3.6	30
25	Design and synthesis of polyaniline/MWCNT composite hydrogel as a binder-free flexible supercapacitor electrode. <i>Indian Journal of Physics</i> , 2022, 96, 433-439.	1.8	27
26	Improved Electromagnetic Interference Shielding Response of Polyaniline Containing Magnetic Nano-ferrites. <i>Journal of Superconductivity and Novel Magnetism</i> , 2020, 33, 1187-1198.	1.8	25
27	Polymer-Graphene Nanocomposites: Preparation, Characterization, Properties, and Applications. , 0, , .		23
28	Hierarchical three dimensional polyaniline/N-doped graphene nanocomposite hydrogel for energy storage applications. <i>Energy Storage</i> , 2023, 5, .	4.3	15
29	Influence of hydrostatic pressure and spin orbit interaction on optical properties in quantum wire. <i>Physica B: Condensed Matter</i> , 2019, 552, 202-208.	2.7	13
30	Robust Multifunctional Free Standing Polypyrrole Sheet for Electromagnetic Shielding. <i>Science of Advanced Materials</i> , 2013, 5, 881-890.	0.7	13
31	Microwave absorption properties of NiCoFe ₂ O ₄ -graphite embedded poly(o-phenetidine) nanocomposites. <i>AIP Advances</i> , 2011, 1, .	1.3	12
32	Designing of Nano Composites of Conducting Polymers for EMI Shielding. , 0, , .		12
33	PbTiO ₃ -Ni _{0.5} Co _{0.5} Fe ₂ O ₄ multiferroic nanocomposites: Impact of ball-milling on dielectric, magnetic and ferroelectric properties. <i>Ceramics International</i> , 2019, 45, 4957-4963.	4.8	11
34	Shielding and dielectric properties of sulfonic acid-doped π -conjugated polymer in 8.2-12.4 GHz frequency range. <i>Journal of Applied Polymer Science</i> , 2010, 115, 498-503.	2.6	9
35	Effect of mechanical milling on magnetic, dielectric and magneto-electric properties of Z- type (Ba, Sr) hexaferrites. <i>Journal of Alloys and Compounds</i> , 2022, 902, 163807.	5.5	9
36	Study of vibrational spectroscopy, linear and nonlinear optical properties of borate-modified tellurium-silica-bismuthate glasses. <i>Indian Journal of Physics</i> , 2020, 94, 1643-1652.	1.8	7

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37	Coating of multi-walled carbon nanotubes on cotton fabric via conventional dyeing for enhanced electrical and mechanical properties. AIP Conference Proceedings, 2019, , .	0.4	2
38	Excellent photoelectrical properties of ZnO thin film based on ZnO/epoxy-resin ink for UV-light detectors. AIP Conference Proceedings, 2019, , .	0.4	2
39	Encapsulation of Barium Ferrite and Reduced Graphene Oxide in poly(oâ€toluidine) as a Barrier for Electromagnetic Radiations. Crystal Research and Technology, 2017, 52, 1700117.	1.3	1