# Anil Ohlan

List of Publications by Year
in descending order

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|---|---|---|---|
| 39<br>papers | 2,672<br>citations | 257450<br>24<br>h-index | 330143<br>37<br>g-index |
| 39<br>all docs | 39<br>docs citations | 39<br>times ranked | 2557<br>citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Hierarchical three dimensional polyaniline/Nâ€doped graphene nanocomposite hydrogel for energy storage applications. Energy Storage, 2023, 5, . | 4.3 | 15 |
| 2 | Design and synthesis of polyaniline/MWCNT composite hydrogel as a binder-free flexible supercapacitor electrode. Indian Journal of Physics, 2022, 96, 433-439. | 1.8 | 27 |
| 3 | Conducting polymer hydrogel based electrode materials for supercapacitor applications. Journal of Energy Storage, 2022, 45, 103510. | 8.1 | 70 |
| 4 | Effect of mechanical milling on magnetic, dielectric and magneto-electric properties of Z- type (Ba, Sr) hexaferrites. Journal of Alloys and Compounds, 2022, 902, 163807. | 5.5 | 9 |
| 5 | Structural, optical, thermal and other physical properties of Bi2O3 modified Lithium Zinc Silicate glasses. Journal of Molecular Structure, 2021, 1234, 130160. | 3.6 | 30 |
| 6 | One pot synthesis and electromagnetic interference shielding behavior of reduced graphene oxide nanocomposites decorated with Ni0.5Co0.5Fe2O4 nanoparticles. Journal of Alloys and Compounds, 2021, 887, 161472. | 5.5 | 32 |
| 7 | Study of vibrational spectroscopy, linear and nonlinear optical properties of borate-modified telluriumâ€“silicaâ€“bismuthate glasses. Indian Journal of Physics, 2020, 94, 1643-1652. | 1.8 | 7 |
| 8 | Improved Electromagnetic Interference Shielding Response of Polyaniline Containing Magnetic Nano-ferrites. Journal of Superconductivity and Novel Magnetism, 2020, 33, 1187-1198. | 1.8 | 25 |
| 9 | Nanostructured Polyaniline/Graphene/Fe<sub>2</sub>O<sub>3</sub> Composites Hydrogel as a High-Performance Flexible Supercapacitor Electrode Material. ACS Applied Energy Materials, 2020, 3, 6434-6446. | 5.1 | 113 |
| 10 | Effect of replacement of Bi2O3 by Li2O on structural, thermal, optical and other physical properties of zinc borate glasses. Journal of Molecular Structure, 2020, 1219, 128589. | 3.6 | 41 |
| 11 | 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 |
| 12 | Excellent photoelectrical properties of ZnO thin film based on ZnO/epoxy-resin ink for UV-light detectors. AIP Conference Proceedings, 2019, , . | 0.4 | 2 |
| 13 | Reduced Graphene Oxide Functionalized Strontium Ferrite in Poly(3,4â€ethylenedioxythiophene) Conducting Network: A Highâ€Performance EMI Shielding Material. Advanced Materials Technologies, 2019, 4, 1900023. | 5.8 | 72 |
| 14 | PbTiO3â€“Ni0.5Co0.5Fe2O4 multiferroic nanocomposites: Impact of ball-milling on dielectric, magnetic and ferroelectric properties. Ceramics International, 2019, 45, 4957-4963. | 4.8 | 11 |
| 15 | Influence of hydrostatic pressure and spin orbit interaction on optical properties in quantum wire. Physica B: Condensed Matter, 2019, 552, 202-208. | 2.7 | 13 |
| 16 | In situ decoration of silver nanoparticles on single-walled carbon nanotubes by microwave irradiation for enhanced and durable anti-bacterial finishing on cotton fabric. Ceramics International, 2019, 45, 1011-1019. | 4.8 | 33 |
| 17 | EMI shielding properties of laminated graphene and PbTiO3 reinforced poly(3,4-ethylenedioxythiophene) nanocomposites. Composites Science and Technology, 2018, 165, 222-230. | 7.8 | 87 |
| 18 | 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 |

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|---|---|---|---|
| 19 | Effect of mechanical milling on structural, dielectric and magnetic properties of BaTiO3â€“Ni0.5Co0.5Fe2O4 multiferroic nanocomposites. Ceramics International, 2017, 43, 3246-3251. | 4.8 | 42 |
| 20 | Poly (3, 4-ethylene dioxythiophene) laminated reduced graphene oxide composites for effective electromagnetic interference shielding. Journal of Alloys and Compounds, 2016, 682, 52-60. | 5.5 | 41 |
| 21 | Structural, magnetic and ferroelectric properties of Pr doped multiferroics bismuth ferrites. Journal of Magnetism and Magnetic Materials, 2015, 394, 385-390. | 2.3 | 47 |
| 22 | Synthesis of ferrofluid based nanoarchitectured polypyrrole composites and its application for electromagnetic shielding. Materials Chemistry and Physics, 2014, 143, 806-813. | 4.0 | 57 |
| 23 | In Situ Synthesis of Polypyrrole-Î³-Fe<sub>2</sub>O<sub>3</sub>-Fly Ash Nanocomposites for Protection against EMI Pollution. Industrial & Engineering Chemistry Research, 2014, 53, 14282-14290. | 3.7 | 75 |
| 24 | Nanostructured graphene/Fe3O4 incorporated polyaniline as a high performance shield against electromagnetic pollution. Nanoscale, 2013, 5, 2411. | 5.6 | 502 |
| 25 | Robust Multifunctional Free Standing Polypyrrole Sheet for Electromagnetic Shielding. Science of Advanced Materials, 2013, 5, 881-890. | 0.7 | 13 |
| 26 | Synthesis, characterization and surface properties of Fe2O3 decorated ferromagnetic polypyrrole nanocomposites. Journal of Alloys and Compounds, 2012, 538, 107-114. | 5.5 | 35 |
| 27 | Microwave absorption properties of NiCoFe2O4-graphite embedded poly(o-phenetidine) nanocomposites. AIP Advances, 2011, 1, . | 1.3 | 12 |
| 28 | Thermal, dielectric and microwave absorption properties of polyanilineâ€“CoFe2O4 nanocomposites. Composites Science and Technology, 2011, 71, 1754-1760. | 7.8 | 159 |
| 29 | Synthesis of conducting ferromagnetic nanocomposite with improved microwave absorption properties. Materials Chemistry and Physics, 2010, 119, 201-207. | 4.0 | 93 |
| 30 | Shielding and dielectric properties of sulfonic acidâ€doped Ï€â€conjugated polymer in 8.2â€“12.4 GHz frequency range. Journal of Applied Polymer Science, 2010, 115, 498-503. | 2.6 | 9 |
| 31 | Microwave Absorption Behavior of Coreâ^'Shell Structured Poly (3,4-Ethylenedioxy Thiophene)â^'Barium Ferrite Nanocomposites. ACS Applied Materials & Interfaces, 2010, 2, 927-933. | 8.0 | 353 |
| 32 | Conducting polymer embedded with nanoferrite and titanium dioxide nanoparticles for microwave absorption. Synthetic Metals, 2009, 159, 2259-2262. | 3.9 | 88 |
| 33 | Conjugated polymer nanocomposites: Synthesis, dielectric, and microwave absorption studies. Journal of Applied Physics, 2009, 106, . | 2.5 | 55 |
| 34 | Poly (3,4â€ethylenedioxythiophene) Î³â€Fe<sub>2</sub>O<sub>3</sub> polymer compositeâ€“super paramagnetic behavior and variable range hopping 1D conduction mechanismâ€“synthesis and characterization. Polymers for Advanced Technologies, 2008, 19, 229-236. | 3.2 | 158 |
| 35 | Conducting ferromagnetic copolymer of aniline and 3,4â€ethylenedioxythiophene containing nanocrystalline barium ferrite particles. Journal of Applied Polymer Science, 2008, 108, 2218-2225. | 2.6 | 31 |
| 36 | Dielectric and magnetic properties of conducting ferromagnetic composite of polyaniline with Î³-Fe2O3 nanoparticles. Materials Chemistry and Physics, 2008, 112, 651-658. | 4.0 | 92 |

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|---|---|---|---|
| 37 | Microwave absorption properties of conducting polymer composite with barium ferrite nanoparticles in 12.4â€“18GHz. Applied Physics Letters, 2008, 93, . | 3.3 | 185 |
| 38 | Designing of Nano Composites of Conducting Polymers for EMI Shielding. , 0, , . | | 12 |
| 39 | Polymer-Graphene Nanocomposites: Preparation, Characterization, Properties, and Applications. , 0, , . | | 23 |