

Gamal R Saad

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8842873/publications.pdf>

Version: 2024-02-01

59
papers

1,462
citations

393982

19
h-index

360668

35
g-index

59
all docs

59
docs citations

59
times ranked

1342
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Encapsulation of ciprofloxacin within modified xanthan gum- chitosan based hydrogel for drug delivery. <i>Bioorganic Chemistry</i> , 2019, 84, 115-124. | 2.0 | 126 |
| 2 | Isolation and characterization of chitosan from different local insects in Egypt. <i>International Journal of Biological Macromolecules</i> , 2016, 82, 871-877. | 3.6 | 124 |
| 3 | Synthesis, characterization and biological activity of Schiff bases based on chitosan and arylpyrazole moiety. <i>International Journal of Biological Macromolecules</i> , 2015, 79, 996-1003. | 3.6 | 97 |
| 4 | Synthesis, characterization and antimicrobial activity of a novel chitosan Schiff bases based on heterocyclic moieties. <i>International Journal of Biological Macromolecules</i> , 2020, 153, 492-501. | 3.6 | 77 |
| 5 | Synthesis of an efficient adsorbent hydrogel based on biodegradable polymers for removing crystal violet dye from aqueous solution. <i>Cellulose</i> , 2018, 25, 6513-6529. | 2.4 | 68 |
| 6 | Synthesis and characterization of biodegradable poly(ester-urethanes) based on bacterial poly(R-3-hydroxybutyrate). <i>Journal of Applied Polymer Science</i> , 2002, 83, 703-718. | 1.3 | 57 |
| 7 | Comparative evaluation for controlling release of niacin from protein- and cellulose-chitosan based hydrogels. <i>International Journal of Biological Macromolecules</i> , 2020, 150, 228-237. | 3.6 | 57 |
| 8 | New wide-stability four-ring azo/ester/Schiff base liquid crystals: synthesis, mesomorphic, photophysical, and DFT approaches. <i>RSC Advances</i> , 2020, 10, 9643-9656. | 1.7 | 53 |
| 9 | Mechanical, thermal, and dielectric properties of poly(lactic acid)/chitosan nanocomposites. <i>Polymer Engineering and Science</i> , 2016, 56, 987-994. | 1.5 | 44 |
| 10 | Synthesis, characterization, and biological activity of cross-linked chitosan biguanidine loaded with silver nanoparticles. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2016, 27, 1880-1898. | 1.9 | 42 |
| 11 | Nanocurcumin: preparation, characterization and cytotoxic effects towards human laryngeal cancer cells. <i>RSC Advances</i> , 2020, 10, 20724-20737. | 1.7 | 42 |
| 12 | Synthesis and thermal characterization of poly(ester-ether urethane)s based on PHB and PCL-PEG-PCL blocks. <i>Journal of Polymer Research</i> , 2011, 18, 1217-1227. | 1.2 | 38 |
| 13 | The effect of inversion of the ester group on the mesophase behaviour of some azo/ester compounds. <i>Liquid Crystals</i> , 2015, 42, 1298-1308. | 0.9 | 36 |
| 14 | Effect of exchange of terminal substituents on the mesophase behaviour of some azo/ester compounds. <i>Liquid Crystals</i> , 2014, 41, 1559-1568. | 0.9 | 32 |
| 15 | Synthesis, characterization and antimicrobial activity of biguanidinylated chitosan- g -poly[(R) Tj ETQq 1 0.784314 rgBT /Overlock 101 | 3.6 | 28 |
| 16 | Dielectric relaxation of monoesters based poly(styrene-co-maleic anhydride) copolymer. <i>Journal of Polymer Research</i> , 2008, 15, 115-123. | 1.2 | 27 |
| 17 | Influence of lateral methyl and terminal substituents on the mesophase behaviour of four rings azo-ester liquid crystal compounds. <i>Liquid Crystals</i> , 2019, 46, 1285-1297. | 0.9 | 24 |
| 18 | Preparation, Characterization and Antimicrobial Activity of Poly(3-hydroxybutyrate-co-3-hydroxyvalerate)-g-Poly(N-vinylpyrrolidone) Copolymers. <i>Polymer-Plastics Technology and Engineering</i> , 2012, 51, 1113-1121. | 1.9 | 22 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Nanocomposites Based on Chitosan-Graft-Poly(N-Vinyl-2-Pyrrolidone): Synthesis, Characterization, and Biological Activity. International Journal of Polymeric Materials and Polymeric Biomaterials, 2015, 64, 578-586. | 1.8 | 20 |
| 20 | Nonisothermal crystallization behavior and molecular dynamics of poly(lactic acid) plasticized with jojoba oil. Journal of Thermal Analysis and Calorimetry, 2017, 128, 211-223. | 2.0 | 20 |
| 21 | Dielectric behaviour of cyanoethylated cellulose. Polymer International, 1994, 34, 411-415. | 1.6 | 19 |
| 22 | Effect of position of the lateral fluoro substituent on the mesophase behaviour of aryl 4-alkoxyphenylazo benzoates in pure and binary mixtures. Liquid Crystals, 2018, 45, 1487-1497. | 0.9 | 19 |
| 23 | Polarity and steric effect of di-lateral substitution on the mesophase behaviour of some azo/ester compounds. Liquid Crystals, 2017, 44, 1664-1677. | 0.9 | 18 |
| 24 | Photo- and bio-degradation of poly(ester-urethane)s films based on poly[(R)-3-Hydroxybutyrate] and poly(μ -Caprolactone) blocks. Journal of Polymer Research, 2010, 17, 33-42. | 1.2 | 17 |
| 25 | Diglycidyl ether of bisphenol A/chitosan-graft-polyaniline composites with electromagnetic interference shielding properties: Synthesis, characterization, and curing kinetics. Polymer Engineering and Science, 2019, 59, 372-381. | 1.5 | 17 |
| 26 | Induction of mitochondria mediated apoptosis in human ovarian cancer cells by folic acid coated tin oxide nanoparticles. PLoS ONE, 2021, 16, e0258115. | 1.1 | 17 |
| 27 | Crystallization and thermal properties of biodegradable polyurethanes based on poly[(R)-3-hydroxybutyrate] and their composites with chitin whiskers. Journal of Applied Polymer Science, 2014, 131, . | 1.3 | 16 |
| 28 | Synthesis and characterization of biodegradable copoly(ether-ester-urethane)s and their chitin whisker nanocomposites. Journal of Thermal Analysis and Calorimetry, 2016, 125, 163-173. | 2.0 | 16 |
| 29 | Thermal and Photophysical Studies of Binary Mixtures of Liquid Crystal with Different Geometrical Mesogens. Crystals, 2020, 10, 223. | 1.0 | 16 |
| 30 | Effect of Substituents on Dielectric $\hat{\tau}$ -Relaxation in Cellulose. Polymer International, 1997, 42, 356-362. | 1.6 | 15 |
| 31 | Effect of Organo-Modified Montmorillonite on Thermal Properties of Bacterial Poly(3-hydroxybutyrate). Polymer-Plastics Technology and Engineering, 2014, 53, 90-96. | 1.9 | 15 |
| 32 | Synthesis, Characterization, and Microbial Activity of Nanocomposites of Chitosan-Graft-Poly(4-vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 2015, 54, 1270-1279. | 1.9 | 15 |
| 33 | Effect of including extra phenylazo moiety on the mesophase behaviour of three-ring azo/ester molecules. Liquid Crystals, 2018, 45, 1711-1722. | 0.9 | 15 |
| 34 | Effect of orientation of lateral fluorine atom on the mesophase behaviour of azo/ester molecules with terminal naphthyl group. Liquid Crystals, 2019, 46, 2322-2333. | 0.9 | 14 |
| 35 | Dielectric study of $\hat{\tau}$ -relaxation in some cellulosic substances. Polymer International, 2003, 41, 293-299. | 1.6 | 13 |
| 36 | Isothermal cure kinetics of uncatalyzed and catalyzed diglycidyl ether of bisphenol-A/carboxylated polyester hybrid powder coating. Journal of Thermal Analysis and Calorimetry, 2012, 110, 1425-1430. | 2.0 | 13 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Effect of orientation of lateral methyl substituent on the thermal behaviour of the mesophase in binary systems of 4-substituted phenyl 4-alkoxy phenylazo benzoates. <i>Liquid Crystals</i> , 2018, 45, 1177-1185. | 0.9 | 13 |
| 38 | Synthesis and mesophase behaviour of four-ring azo-ester-azo compounds bearing two-terminal alkoxy groups in different lengths and proportions. <i>Liquid Crystals</i> , 2020, 47, 1772-1783. | 0.9 | 13 |
| 39 | Chitosan Schiff bases-based polyelectrolyte complexes with graphene quantum dots and their prospective biomedical applications. <i>International Journal of Biological Macromolecules</i> , 2022, 208, 1029-1045. | 3.6 | 13 |
| 40 | Grafting of N-isopropyl Acrylamide onto Bacterial Polyhydroxybutyrate/Hydroxyvalerate Copolymers. <i>Polymer-Plastics Technology and Engineering</i> , 2011, 50, 1055-1063. | 1.9 | 12 |
| 41 | Effect of lateral bromo substituent on the phase behavior of four-ring azo/ester/azo liquid crystalline materials. <i>Liquid Crystals</i> , 2019, 46, 1631-1642. | 0.9 | 12 |
| 42 | Preparation and characterization of bio-based polyurethanes obtained from castor oil and poly(3-hydroxybutyrate) and their nanocomposites. <i>Polymer Composites</i> , 2018, 39, E489. | 2.3 | 10 |
| 43 | Effect of molecular structure on the phase behaviour of some liquid crystalline compounds and their mixtures XII. Binary mixtures of homologues of unsymmetrical 1,4-phenylene bis (4-substituted) Tj ETQq1 1 0.784314 rBT /Ove | 0.9 | 9 |
| 44 | Preparation and Characterization of Biodegradable Polyurethane Nanocomposites Based on Poly(3-hydroxybutyrate) and Poly(Butylene Adipate) Using Reactive Organoclay. <i>Polymer-Plastics Technology and Engineering</i> , 2014, 53, 1671-1681. | 1.9 | 9 |
| 45 | Effect of orientation of extra fused benzene ring and lateral methyl substituent on the mesophase behaviour of three-ring azo/ester molecules. <i>Liquid Crystals</i> , 2019, 46, 2269-2280. | 0.9 | 9 |
| 46 | Synthesis and characterization of nanocarbon having different morphological structures by chemical vapor deposition over Fe-Ni-Co-Mo/MgO catalyst. <i>Journal of Saudi Chemical Society</i> , 2019, 23, 666-677. | 2.4 | 9 |
| 47 | Effect of organically modified montmorillonite filler on the dynamic cure kinetics, thermal stability, and mechanical properties of brominated epoxy/aniline formaldehyde condensates system. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 111, 1409-1417. | 2.0 | 8 |
| 48 | The effect of orientation of the lateral methyl substituent on the mesophase behaviour of 4-alkoxyphenylazo aryl benzoates. <i>Liquid Crystals</i> , 2016, 43, 1831-1845. | 0.9 | 8 |
| 49 | Study of Ag Nanoparticles in a Polyacrylamide Hydrogel Dosimeters by Optical Technique. <i>Gels</i> , 2022, 8, 222. | 2.1 | 7 |
| 50 | Effect of replacing an azo group with an azomethine one on the mesophase behaviour of four-ring azo/ester/azomethine compounds bearing two terminal alkoxy groups. <i>Liquid Crystals</i> , 2020, 47, 1409-1420. | 0.9 | 6 |
| 51 | Dielectric study of acetylated cotton cellulose and saponified cellulose acetate. <i>Angewandte Makromolekulare Chemie</i> , 1992, 197, 23-39. | 0.3 | 5 |
| 52 | Frequency dependence of the complex dielectric constant of sodium carboxymethyl cellulose. <i>Angewandte Makromolekulare Chemie</i> , 1993, 204, 51-61. | 0.3 | 5 |
| 53 | Effect of replacing the terminal phenyl ring with 3-pyridyl and inversion of imine linkage on the mesophase behaviour of four-ring azo/ester/Schiff base compounds. <i>Liquid Crystals</i> , 2021, 48, 1217-1230. | 0.9 | 5 |
| 54 | Dosimetric investigations on radiation-induced Ag nanoparticles in a gel dosimeter. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2021, 329, 463-473. | 0.7 | 5 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 55 | Synthesis and characterization of polypropylene grafted with p- hydroxy-N-phenyl maleimide. Journal of Polymer Research, 2019, 26, 1. | 1.2 | 4 |
| 56 | Chitosan Schiff bases/AgNPs: synthesis, characterization, antibiofilm and preliminary anti-schistosomal activity studies. Polymer Bulletin, 2022, 79, 11259-11284. | 1.7 | 4 |
| 57 | Synthesis and mesomorphic properties of laterally fluoro azo/ ester based on four ring compounds with a wide range mesophase thermal stability. Liquid Crystals, 0, , 1-13. | 0.9 | 3 |
| 58 | The effect of lateral methyl substitution on the mesophase behaviour of aryl 4-alkoxyphenylazo benzoates. Liquid Crystals, 0, , 1-11. | 0.9 | 2 |
| 59 | Steric effect of di-lateral methyl substituent on the mesophase behavior of four-ring azo/ester/azo homologues. Liquid Crystals, 2022, 49, 1511-1523. | 0.9 | 2 |