

Thambusamy Stalin

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

1,675
citations

236833

25
h-index

315616

38
g-index

61
all docs

61
docs citations

61
times ranked

1665
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1 | Silver nanoparticle decorated β -cyclodextrin with 1,5-dihydroxy naphthalene inclusion complex; as a sensitive fluorescence probe for dual metal ion sensing employing spectrum techniques. <i>Chemical Physics Letters</i> , 2022, 796, 139537. | 1.2 | 6 |
| 2 | Electrospun Nanofibers for Industrial and Energy Applications. , 2022, , 693-720. | | 1 |
| 3 | Reinforcement of β -imine-hydroxyl chelation pocket TM by encapsulating into the β -CD cavity for the sterically protective detection of Al ³⁺ . <i>Journal of Molecular Liquids</i> , 2021, 323, 114949. | 2.3 | 7 |
| 4 | Electrospun poly (vinyl alcohol) nanofibers incorporating caffeic acid/cyclodextrins through the supramolecular assembly for antibacterial activity. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 249, 119308. | 2.0 | 14 |
| 5 | Electrochemical sensing of N-phenyl-1-naphthylamine using the MWCNT/ β -CD through β -host scavenger TM guest pollutant TM mechanism. <i>Chemical Papers</i> , 2021, 75, 1421-1430. | 1.0 | 3 |
| 6 | Preparation and characterization of quantum dot doped polyaniline photoactive film for organic solar cell application. <i>Chemical Physics Letters</i> , 2021, 771, 138517. | 1.2 | 6 |
| 7 | Photo-anode surface modification using novel graphene oxide integrated with methylammonium lead iodide in organic-inorganic perovskite solar cells. <i>Journal of Physics and Chemistry of Solids</i> , 2021, 154, 110036. | 1.9 | 1 |
| 8 | Biologically important alumina nanoparticles modified polyvinylpyrrolidone scaffolds in vitro characterizations and it is in vivo wound healing efficacy. <i>Journal of Molecular Structure</i> , 2021, 1246, 131195. | 1.8 | 13 |
| 9 | Electrospinning nanofibrous graft preparation and wound healing studies using ZnO nanoparticles and glucosamine loaded with poly(methyl methacrylate)/polyethylene glycol. <i>New Journal of Chemistry</i> , 2021, 45, 7987-7998. | 1.4 | 14 |
| 10 | Preparation of silver nanoparticles and riboflavin embedded electrospun polymer nanofibrous scaffolds for in vivo wound dressing application. <i>Process Biochemistry</i> , 2020, 88, 148-158. | 1.8 | 35 |
| 11 | Electrospinning preparation and spectral characterizations of the inclusion complex of ferulic acid and β -cyclodextrin with encapsulation into polyvinyl alcohol electrospun nanofibers. <i>Journal of Molecular Structure</i> , 2020, 1221, 128767. | 1.8 | 21 |
| 12 | Cerium oxide and peppermint oil loaded polyethylene oxide/graphene oxide electrospun nanofibrous mats as antibacterial wound dressings. <i>Materials Today Communications</i> , 2019, 21, 100664. | 0.9 | 36 |
| 13 | In-vitro dissolution and microbial inhibition studies on anticancer drug etoposide with β -cyclodextrin. <i>Materials Science and Engineering C</i> , 2019, 102, 96-105. | 3.8 | 25 |
| 14 | Encapsulation of triclosan within 2-hydroxypropyl β -cyclodextrin cavity and its application in the chemisorption of rhodamine B dye. <i>Journal of Molecular Liquids</i> , 2019, 282, 235-243. | 2.3 | 23 |
| 15 | Poly (ethylene glycol) stabilized synthesis of inorganic cesium lead iodide polycrystalline light-absorber for perovskite solar cell. <i>Materials Letters</i> , 2019, 240, 132-135. | 1.3 | 11 |
| 16 | In-vitro dissolution rate and molecular docking studies of cabergoline drug with β -cyclodextrin. <i>Journal of Molecular Structure</i> , 2018, 1160, 1-8. | 1.8 | 24 |
| 17 | Selective and sensitive fluorescent sensor for Pd ²⁺ using coumarin 460 for real-time and biological applications. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 183, 302-308. | 1.7 | 18 |
| 18 | Preparation and characterizations of PMMA-PVDF based polymer composite electrolyte materials for dye sensitized solar cell. <i>Current Applied Physics</i> , 2018, 18, 619-625. | 1.1 | 52 |

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|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Spectral and proton transfer behavior of 1,4-dihydroxylanthraquinone in aqueous and confined media; molecular modelling strategy. <i>Journal of Molecular Liquids</i> , 2018, 259, 186-198. | 2.3 | 21 |
| 20 | Synthesis of rhodamine based organic nanorods for efficient chemosensor probe for Al (III) ions and its biological applications. <i>Sensors and Actuators B: Chemical</i> , 2018, 254, 795-804. | 4.0 | 65 |
| 21 | FRET based Solid State Luminescent Glyphosate Sensor Using Calixarene grafted Ruthenium(II) bipyridine Doped Silica Nanoparticles. <i>ChemPhysChem</i> , 2018, 19, 2768-2775. | 1.0 | 13 |
| 22 | Synthesis of a Safranin T Sulfonatocalix[4]arene Complex by Means of Supramolecular Complexation. <i>ChemistrySelect</i> , 2017, 2, 931-936. | 0.7 | 11 |
| 23 | Dual emission and pH based naphthalimide derivative fluorescent sensor for the detection of Bi ³⁺ . <i>Sensors and Actuators B: Chemical</i> , 2017, 247, 632-640. | 4.0 | 39 |
| 24 | A new fluorescent PET sensor probe for Co ²⁺ ion detection: computational, logic device and living cell imaging applications. <i>RSC Advances</i> , 2017, 7, 16581-16593. | 1.7 | 52 |
| 25 | Fluorescence Sensor for Hg ²⁺ and Fe ³⁺ ions using 3,3'-Dihydroxybenzidine Cyclodextrin Supramolecular Complex: Characterization, in-silico and Cell Imaging Study. <i>Sensors and Actuators B: Chemical</i> , 2017, 242, 1227-1238. | 4.0 | 17 |
| 26 | Rhodamine based on-molecular switch FRET sensor for cadmium and sulfide ions and live cell imaging study. <i>Sensors and Actuators B: Chemical</i> , 2017, 238, 565-577. | 4.0 | 61 |
| 27 | Photochemical and computational studies of inclusion complexes between β -cyclodextrin and 1,2-dihydroxyanthraquinones. <i>Photochemical and Photobiological Sciences</i> , 2017, 16, 476-488. | 1.6 | 29 |
| 28 | Etodolac: β -cyclodextrin inclusion complex as a novel fluorescent chemosensor probe for Ba ²⁺ . <i>Journal of Carbohydrate Chemistry</i> , 2016, 35, 118-130. | 0.4 | 18 |
| 29 | Host-guest molecular recognition based fluorescence On-Off-On chemosensor for nanomolar level detection of Cu ²⁺ and CrO ₄ ²⁻ ions: Application in XNOR logic gate and human lung cancer living cell imaging. <i>Sensors and Actuators B: Chemical</i> , 2016, 234, 300-315. | 4.0 | 56 |
| 30 | Experimental and theoretical investigation on the structural characterization and orientation preferences of 2-hydroxy-1-naphthoic acid/ β -cyclodextrin host-guest inclusion complex. <i>Journal of Molecular Liquids</i> , 2016, 218, 538-548. | 2.3 | 16 |
| 31 | Preparation and characterization of poly(o-anisidine) with the influence of surfactants on stainless steel by electrochemical polymerization as a counter electrode for dye sensitized solar cells. <i>Journal of Applied Polymer Science</i> , 2015, 132, . | 1.3 | 7 |
| 32 | In situ electrochemical synthesis of a poly(o-anisidine) counter electrode for a dye sensitized solar cell. <i>Journal of Applied Polymer Science</i> , 2015, 132, . | 1.3 | 4 |
| 33 | Fluorometric sensing of Pb ²⁺ and CrO ₄ ²⁻ ions through host-guest inclusion for human lung cancer live cell imaging. <i>RSC Advances</i> , 2015, 5, 101802-101818. | 1.7 | 24 |
| 34 | A highly selective dual mode detection of Fe ³⁺ ion sensing based on 1,5-dihydroxyanthraquinone in the presence of β -cyclodextrin. <i>Materials Science and Engineering C</i> , 2015, 48, 94-102. | 3.8 | 29 |
| 35 | Naphthalenediols: A new class of novel fluorescent chemosensors for selective sensing of Cu ²⁺ and Ni ²⁺ in aqueous solution. <i>Journal of Luminescence</i> , 2015, 158, 313-321. | 1.5 | 20 |
| 36 | Studies on inclusion complexes of 2,4-dinitrophenol, 2,4-dinitroaniline, 2,6-dinitroaniline and 2,4-dinitrobenzoic acid incorporated with β -cyclodextrin used for a novel UV absorber for ballpoint pen ink. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2014, 78, 337-350. | 0.9 | 10 |

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|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | Preparation and characterizations of solid/aqueous phases inclusion complex of 2,4-dinitroaniline with β -cyclodextrin. Carbohydrate Polymers, 2014, 107, 72-84. | 5.1 | 36 |
| 38 | Study of inclusion complex between 2,6-dinitrobenzoic acid and β -cyclodextrin by ^1H NMR, 2D ^1H NMR (ROESY), FT-IR, XRD, SEM and photophysical methods. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 130, 105-115. | 2.0 | 39 |
| 39 | A highly selective chemosensor for colorimetric detection of Hg^{2+} and fluorescence detection of pH changes in aqueous solution. Journal of Luminescence, 2014, 149, 12-18. | 1.5 | 27 |
| 40 | 2,6-Dinitroaniline and β -cyclodextrin inclusion complex properties studied by different analytical methods. Carbohydrate Polymers, 2014, 113, 577-587. | 5.1 | 31 |
| 41 | Study of the cyclodextrin and its complexation with 2,4-dinitrobenzoic acid through photophysical properties and 2D NMR spectroscopy. Journal of Molecular Structure, 2014, 1060, 239-250. | 1.8 | 9 |
| 42 | N-phenyl-1-naphthylamine/ β -cyclodextrin inclusion complex as a new fluorescent probe for rapid and visual detection of Pd^{2+} . Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 133, 73-79. | 2.0 | 28 |
| 43 | Inclusion complexes of β -cyclodextrin-dinitrocompounds as UV absorber for ballpoint pen ink. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 129, 551-564. | 2.0 | 14 |
| 44 | Spectroscopic and electrochemical studies on the interaction of an inclusion complex of β -cyclodextrin with 2,6-dinitrophenol in aqueous and solid phases. Journal of Molecular Structure, 2013, 1036, 494-504. | 1.8 | 11 |
| 45 | Spectral, electrochemical and docking studies of 5-indanol: β -CD inclusion complex. Physics and Chemistry of Liquids, 2013, 51, 567-585. | 0.4 | 8 |
| 46 | Improvement on dissolution rate of inclusion complex of Rifabutin drug with β -cyclodextrin. International Journal of Biological Macromolecules, 2013, 62, 472-480. | 3.6 | 67 |
| 47 | Studies on inclusion complexation between 4,4'-dihydroxybiphenyl and β -cyclodextrin by experimental and theoretical approach. Journal of Molecular Structure, 2013, 1048, 399-409. | 1.8 | 17 |
| 48 | Spectral Studies on the Supramolecular Assembly of 1H2NA: β -CD Complex and its Analytical Application as Chemosensor for the Selective Sensing of Cr^{3+} . Polycyclic Aromatic Compounds, 2013, 33, 221-235. | 1.4 | 7 |
| 49 | Sorption onto insoluble β -cyclodextrin polymer for 2,4-dinitrophenol. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2012, 73, 321-328. | 1.6 | 5 |
| 50 | Spectral and electrochemical study of host-guest inclusion complex between 2,4-dinitrophenol and β -cyclodextrin. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 94, 89-100. | 2.0 | 68 |
| 51 | Study of inclusion complex of β -cyclodextrin and Ortho-Anisidine; photophysical and electrochemical behaviors. Journal of Molecular Structure, 2011, 987, 214-224. | 1.8 | 23 |
| 52 | Study of inclusion complex of β -cyclodextrin and diphenylamine: Photophysical and electrochemical behaviors. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 79, 169-178. | 2.0 | 45 |
| 53 | Host-guest interaction of l-tyrosine with β -cyclodextrin. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2008, 71, 125-132. | 2.0 | 63 |
| 54 | Intramolecular charge transfer effects on 3-aminobenzoic acid. Chemical Physics, 2006, 322, 311-322. | 0.9 | 68 |

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|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 55 | Photophysical behaviour of 4-hydroxy-3,5-dimethoxybenzoic acid in different solvents, pH and β -cyclodextrin. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2006, 177, 144-155. | 2.0 | 38 |
| 56 | Intramolecular charge transfer associated with hydrogen bonding effects on 2-aminobenzoic acid. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2006, 182, 137-150. | 2.0 | 83 |
| 57 | A study on the spectroscopy and photophysics of 4-hydroxy-3-methoxybenzoic acid in different solvents, pH and β -cyclodextrin. <i>Journal of Molecular Structure</i> , 2006, 794, 35-45. | 1.8 | 44 |
| 58 | Solvatochromism, prototropism and complexation of para-aminobenzoic acid. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2006, 55, 21-29. | 1.6 | 43 |
| 59 | Spectral characteristics of ortho, meta and para dihydroxy benzenes in different solvents, pH and β -cyclodextrin. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2005, 61, 2495-2504. | 2.0 | 32 |
| 60 | Effects of solvent, pH and β -cyclodextrin on the photophysical properties of 4-hydroxy-3,5-dimethoxybenzaldehyde: intramolecular charge transfer associated with hydrogen bonding effect. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2005, 61, 3087-3096. | 2.0 | 41 |
| 61 | Dual fluorescence of diphenyl carbazide and benzanilide: Effect of solvents and pH on electronic spectra. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2005, 62, 991-999. | 2.0 | 26 |