

Thambusamy Stalin

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

61
papers

1,261
citations

23
h-index

33
g-index

61
ext. papers

1,440
ext. citations

4.5
avg, IF

5.08
L-index

#	Paper	IF	Citations
61	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	2.5	0
60	Electrospun Nanofibers for Industrial and Energy Applications 2022 , 693-720		0
59	Preparation and characterization of quantum dot doped polyaniline photoactive film for organic solar cell application. <i>Chemical Physics Letters</i> , 2021 , 771, 138517	2.5	
58	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	3.9	
57	Reinforcement of β -amine-hydroxyl chelation pocket by encapsulating into the β CD cavity for the sterically protective detection of Al^{3+} . <i>Journal of Molecular Liquids</i> , 2021 , 323, 114949	6	2
56	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	4.4	6
55	Electrochemical sensing of N-phenyl-1-naphthylamine using the MWCNT/ β CD through host scavenger-guest pollutant mechanism. <i>Chemical Papers</i> , 2021 , 75, 1421-1430	1.9	2
54	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, 131145	3.45	2
53	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	3.6	3
52	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	3.4	8
51	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	4.8	24
50	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	8.3	16
49	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	6	13
48	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	2.5	27
47	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	3.3	7
46	In-vitro dissolution rate and molecular docking studies of cabergoline drug with β -cyclodextrin. <i>Journal of Molecular Structure</i> , 2018 , 1160, 1-8	3.4	15
45	Selective and sensitive fluorescent sensor for Pd using coumarin 460 for real-time and biological applications. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018 , 183, 302-308	6.7	9

44	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	2.6	38
43	Spectral and proton transfer behavior of 1,4-dihydroxylantraquinone in aqueous and confined media; molecular modelling strategy. <i>Journal of Molecular Liquids</i> , 2018 , 259, 186-198	6	11
42	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	8.5	51
41	FRET-based Solid-state Luminescent Glyphosate Sensor Using Calixarene-grafted Ruthenium(II)bipyridine Doped Silica Nanoparticles. <i>ChemPhysChem</i> , 2018 , 19, 2768-2775	3.2	8
40	Synthesis of a Safranin T - p-Sulfonatocalix[4]arene Complex by Means of Supramolecular Complexation. <i>ChemistrySelect</i> , 2017 , 2, 931-936	1.8	9
39	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	8.5	29
38	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	3.7	41
37	Fluorescence Sensor for Hg ²⁺ and Fe ³⁺ ions using 3,3'-Dihydroxybenzidine:β-Cyclodextrin Supramolecular Complex: Characterization, in-silico and Cell Imaging Study. <i>Sensors and Actuators B: Chemical</i> , 2017 , 242, 1227-1238	8.5	13
36	Rhodamine based Turn-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	8.5	44
35	Photochemical and computational studies of inclusion complexes between β-cyclodextrin and 1,2-dihydroxyanthraquinones. <i>Photochemical and Photobiological Sciences</i> , 2017 , 16, 476-488	4.2	21
34	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	6	12
33	Etodolac:β-cyclodextrin inclusion complex as a novel fluorescent chemosensor probe for Ba ²⁺ . <i>Journal of Carbohydrate Chemistry</i> , 2016 , 35, 118-130	1.7	13
32	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	8.5	46
31	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, n/a-n/a	2.9	3
30	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	3.7	14
29	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	8.3	20
28	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	3.8	17
27	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, n/a-n/a	2.9	3

26	Preparation and characterizations of solid/aqueous phases inclusion complex of 2,4-dinitroaniline with β -cyclodextrin. <i>Carbohydrate Polymers</i> , 2014 , 107, 72-84	10.3	26
25	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. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014 , 130, 105-15	4.4	26
24	A highly selective chemosensor for colorimetric detection of Hg^{2+} and fluorescence detection of pH changes in aqueous solution. <i>Journal of Luminescence</i> , 2014 , 149, 12-18	3.8	20
23	2,6-Dinitroaniline and β -cyclodextrin inclusion complex properties studied by different analytical methods. <i>Carbohydrate Polymers</i> , 2014 , 113, 577-87	10.3	23
22	Study of the cyclodextrin and its complexation with 2,4-dinitrobenzoic acid through photophysical properties and 2D NMR spectroscopy. <i>Journal of Molecular Structure</i> , 2014 , 1060, 239-250	3.4	6
21	N-phenyl-1-naphthylamine/ β -cyclodextrin inclusion complex as a new fluorescent probe for rapid and visual detection of $\text{Pd}(2+)$. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014 , 133, 73-9	4.4	23
20	Inclusion complexes of β -cyclodextrin-dinitrocompounds as UV absorber for ballpoint pen ink. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014 , 129, 551-64	4.4	11
19	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 Macrocylic Chemistry</i> , 2014 , 78, 337-350	1.7	8
18	Spectroscopic and electrochemical studies on the interaction of an inclusion complex of β -cyclodextrin with 2,6-dinitrophenol in aqueous and solid phases. <i>Journal of Molecular Structure</i> , 2013 , 1036, 494-504	3.4	9
17	Spectral, electrochemical and docking studies of 5-indanol: β -CD inclusion complex. <i>Physics and Chemistry of Liquids</i> , 2013 , 51, 567-585	1.5	4
16	Improvement on dissolution rate of inclusion complex of Rifabutin drug with β -cyclodextrin. <i>International Journal of Biological Macromolecules</i> , 2013 , 62, 472-80	7.9	45
15	Studies on inclusion complexation between 4,4'-dihydroxybiphenyl and β -cyclodextrin by experimental and theoretical approach. <i>Journal of Molecular Structure</i> , 2013 , 1048, 399-409	3.4	13
14	Spectral Studies on the Supramolecular Assembly of $1\text{H}_2\text{N}_2$: β -CD Complex and its Analytical Application as Chemosensor for the Selective Sensing of Cr^{3+} . <i>Polycyclic Aromatic Compounds</i> , 2013 , 33, 221-235	1.3	6
13	Spectral and electrochemical study of host-guest inclusion complex between 2,4-dinitrophenol and β -cyclodextrin. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012 , 94, 89-100	4.4	52
12	Sorption onto insoluble β -cyclodextrin polymer for 2,4-dinitrophenol. <i>Journal of Inclusion Phenomena and Macrocylic Chemistry</i> , 2012 , 73, 321-328		5
11	Study of inclusion complex of β -cyclodextrin and Ortho-Anisidine; photophysical and electrochemical behaviors. <i>Journal of Molecular Structure</i> , 2011 , 987, 214-224	3.4	21
10	Study of inclusion complex of β -cyclodextrin and diphenylamine: photophysical and electrochemical behaviors. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011 , 79, 169-78	4.4	37
9	Host-guest interaction of L-tyrosine with beta-cyclodextrin. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008 , 71, 125-32	4.4	54

8	Intramolecular charge transfer effects on 3-aminobenzoic acid. <i>Chemical Physics</i> , 2006 , 322, 311-322	2.3	64
7	Photophysical behaviour of 4-hydroxy-3,5-dimethoxybenzoic acid in different solvents, pH and Cyclodextrin. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2006 , 177, 144-155	4.7	34
6	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	4.7	76
5	A study on the spectroscopy and photophysics of 4-hydroxy-3-methoxybenzoic acid in different solvents, pH and Cyclodextrin. <i>Journal of Molecular Structure</i> , 2006 , 794, 35-45	3.4	43
4	Solvatochromism, prototropism and complexation of para-aminobenzoic acid. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2006 , 55, 21-29		41
3	Spectral characteristics of ortho, meta and para dihydroxy benzenes in different solvents, pH and beta-cyclodextrin. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2005 , 61, 2495-504	4.4	25
2	Effects of solvent, pH and beta-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, 3087-96	4.4	38
1	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, 991-9	4.4	24