Thambusamy Stalin

List of Publications by Year
in descending order

61	1,675	236612 25	315357 38
papers	citations	h-index	g-index

61	61	61	1665
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Intramolecular charge transfer associated with hydrogen bonding effects on 2-aminobenzoic acid. Journal of Photochemistry and Photobiology A: Chemistry, 2006, 182, 137-150.	2.0	83
2	Intramolecular charge transfer effects on 3-aminobenzoic acid. Chemical Physics, 2006, 322, 311-322.	0.9	68
3	Spectral and electrochemical study of hostâ€“guest inclusion complex between 2,4-dinitrophenol and Î²-cyclodextrin. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 94, 89-100.	2.0	68
4	Improvement on dissolution rate of inclusion complex of Rifabutin drug with Î²-cyclodextrin. International Journal of Biological Macromolecules, 2013, 62, 472-480.	3.6	67
5	Synthesis of rhodamine based organic nanorods for efficient chemosensor probe for Al (III) ions and its biological applications. Sensors and Actuators B: Chemical, 2018, 254, 795-804.	4.0	65
6	Hostâ€“guest interaction of l-tyrosine with Î²-cyclodextrin. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2008, 71, 125-132.	2.0	63
7	Rhodamine based â€œturnâ€“onâ€•molecular switch FRETâ€“sensor for cadmium and sulfide ions and live cell imaging study. Sensors and Actuators B: Chemical, 2017, 238, 565-577.	4.0	61
8	Host-guest molecular recognition based fluorescence On-Off-On chemosensor for nanomolar level detection of Cu2+ and Cr2O72â^' ions: Application in XNOR logic gate and human lung cancer living cell imaging. Sensors and Actuators B: Chemical, 2016, 234, 300-315.	4.0	56
9	A new fluorescent PET sensor probe for Co²⁺ion detection: computational, logic device and living cell imaging applications. RSC Advances, 2017, 7, 16581-16593.	1.7	52
10	Preparation and characterizations of PMMA-PVDF based polymer composite electrolyte materials for dye sensitized solar cell. Current Applied Physics, 2018, 18, 619-625.	1.1	52
11	Study of inclusion complex of Î²-cyclodextrin and diphenylamine: Photophysical and electrochemical behaviors. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 79, 169-178.	2.0	45
12	A study on the spectroscopy and photophysics of 4-hydroxy-3-methoxybenzoic acid in different solvents, pH and Î²-cyclodextrin. Journal of Molecular Structure, 2006, 794, 35-45.	1.8	44
13	Solvatochromism, prototropism and complexation of para-aminobenzoic acid. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2006, 55, 21-29.	1.6	43
14	Effects of solvent, pH and Î²-cyclodextrin on the photophysical properties of 4-hydroxy-3,5-dimethoxybenzaldehyde: intramolecular charge transfer associated with hydrogen bonding effect. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2005, 61, 3087-3096.	2.0	41
15	Study of inclusion complex between 2,6-dinitrobenzoic acid and Î²-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
16	Dual emission and pH based naphthalimide derivative fluorescent sensor for the detection of Bi3+. Sensors and Actuators B: Chemical, 2017, 247, 632-640.	4.0	39
17	Photophysical behaviour of 4-hydroxy-3,5-dimethoxybenzoic acid in different solvents, pH and Î²-cyclodextrin. Journal of Photochemistry and Photobiology A: Chemistry, 2006, 177, 144-155.	2.0	38
18	Preparation and characterizations of solid/aqueous phases inclusion complex of 2,4-dinitroaniline with Î²-cyclodextrin. Carbohydrate Polymers, 2014, 107, 72-84.	5.1	36

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19	Cerium oxide and peppermint oil loaded polyethylene oxide/graphene oxide electrospun nanofibrous mats as antibacterial wound dressings. Materials Today Communications, 2019, 21, 100664.	0.9	36
20	Preparation of silver nanoparticles and riboflavin embedded electrospun polymer nanofibrous scaffolds for in vivo wound dressing application. Process Biochemistry, 2020, 88, 148-158.	1.8	35
21	Spectral characteristics of ortho, meta and para dihydroxy benzenes in different solvents, pH and Î²-cyclodextrin. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2005, 61, 2495-2504.	2.0	32
22	2,6-Dinitroaniline and Î²-cyclodextrin inclusion complex properties studied by different analytical methods. Carbohydrate Polymers, 2014, 113, 577-587.	5.1	31
23	A highly selective dual mode detection of Fe3+ ion sensing based on 1,5-dihydroxyanthraquinone in the presence of Î²-cyclodextrin. Materials Science and Engineering C, 2015, 48, 94-102.	3.8	29
24	Photochemical and computational studies of inclusion complexes between Î²-cyclodextrin and 1,2-dihydroxyanthraquinones. Photochemical and Photobiological Sciences, 2017, 16, 476-488.	1.6	29
25	N-phenyl-1-naphthylamine/Î²-cyclodextrin inclusion complex as a new fluorescent probe for rapid and visual detection of Pd2+. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 133, 73-79.	2.0	28
26	A highly selective chemosensor for colorimetric detection of Hg2+ and fluorescence detection of pH changes in aqueous solution. Journal of Luminescence, 2014, 149, 12-18.	1.5	27
27	Dual fluorescence of diphenyl carbazide and benzanilide: Effect of solvents and pH on electronic spectra. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2005, 62, 991-999.	2.0	26
28	In-vitro dissolution and microbial inhibition studies on anticancer drug etoposide with Î²-cyclodextrin. Materials Science and Engineering C, 2019, 102, 96-105.	3.8	25
29	Fluorometric sensing of Pb²⁺and CrO₄^{2â^'}ions through hostâ€“guest inclusion for human lung cancer live cell imaging. RSC Advances, 2015, 5, 101802-101818.	1.7	24
30	In-vitro dissolution rate and molecular docking studies of cabergoline drug with Î²-cyclodextrin. Journal of Molecular Structure, 2018, 1160, 1-8.	1.8	24
31	Study of inclusion complex of Î²-cyclodextrin and Ortho-Anisidine; photophysical and electrochemical behaviors. Journal of Molecular Structure, 2011, 987, 214-224.	1.8	23
32	Encapsulation of triclosan within 2-hydroxypropylâ€“Î²â€“cyclodextrin cavity and its application in the chemisorption of rhodamine B dye. Journal of Molecular Liquids, 2019, 282, 235-243.	2.3	23
33	Spectral and proton transfer behavior of 1,4-dihydroxylanthraquinone in aqueous and confined media; molecular modelling strategy. Journal of Molecular Liquids, 2018, 259, 186-198.	2.3	21
34	Electrospinning preparation and spectral characterizations of the inclusion complex of ferulic acid and Î³-cyclodextrin with encapsulation into polyvinyl alcohol electrospun nanofibers. Journal of Molecular Structure, 2020, 1221, 128767.	1.8	21
35	Naphthalenediols: A new class of novel fluorescent chemosensors for selective sensing of Cu2+ and Ni2+ in aqueous solution. Journal of Luminescence, 2015, 158, 313-321.	1.5	20
36	Etodolac:Î²-cyclodextrin inclusion complex as a novel fluorescent chemosensor probe for Ba²⁺. Journal of Carbohydrate Chemistry, 2016, 35, 118-130.	0.4	18

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37	Selective and sensitive fluorescent sensor for Pd 2+ using coumarin 460 for real-time and biological applications. Journal of Photochemistry and Photobiology B: Biology, 2018, 183, 302-308.	1.7	18
38	Studies on inclusion complexation between 4,4â€²-dihydroxybiphenyl and Î²-cyclodextrin by experimental and theoretical approach. Journal of Molecular Structure, 2013, 1048, 399-409.	1.8	17
39	Fluorescence Sensor for Hg2+ and Fe3+ ions using 3,3â€²â€“Dihydroxybenzidine:Î±â€“Cyclodextrin Supramolecular Complex: Characterization, in-silico and Cell Imaging Study. Sensors and Actuators B: Chemical, 2017, 242, 1227-1238.	4.0	17
40	Experimental and theoretical investigation on the structural characterization and orientation preferences of 2-hydroxy-1-naphthoic acid/Î²-cyclodextrin host-guest inclusion complex. Journal of Molecular Liquids, 2016, 218, 538-548.	2.3	16
41	Inclusion complexes of Î²-cyclodextrin-dinitrocompounds as UV absorber for ballpoint pen ink. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 129, 551-564.	2.0	14
42	Electrospun poly (vinyl alcohol) nanofibers incorporating caffeic acid/cyclodextrins through the supramolecular assembly for antibacterial activity. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 249, 119308.	2.0	14
43	Electrospinning nanofibrous graft preparation and wound healing studies using ZnO nanoparticles and glucosamine loaded with poly(methyl methacrylate)/polyethylene glycol. New Journal of Chemistry, 2021, 45, 7987-7998.	1.4	14
44	FRETâ€based Solidâ€state Luminescent Glyphosate Sensor Using Calixareneâ€grafted Ruthenium(II)bipyridine Doped Silica Nanoparticles. ChemPhysChem, 2018, 19, 2768-2775.	1.0	13
45	Biologically important alumina nanoparticles modified polyvinylpyrrolidone scaffolds in vitro characterizations and it is in vivo wound healing efficacy. Journal of Molecular Structure, 2021, 1246, 131195.	1.8	13
46	Spectroscopic and electrochemical studies on the interaction of an inclusion complex of Î²-cyclodextrin with 2,6-dinitrophenol in aqueous and solid phases. Journal of Molecular Structure, 2013, 1036, 494-504.	1.8	11
47	Synthesis of a Safranin T â€•pâ€Sulfonatocalix[4]arene Complex by Means of Supramolecular Complexation. ChemistrySelect, 2017, 2, 931-936.	0.7	11
48	Poly (ethylene glycol) stabilized synthesis of inorganic cesium lead iodide polycrystalline light-absorber for perovskite solar cell. Materials Letters, 2019, 240, 132-135.	1.3	11
49	Studies on inclusion complexes of 2,4-dinitrophenol, 2,4-dinitroaniline, 2,6-dinitroaniline and 2,4-dinitrobenzoic acid incorporated with Î²-cyclodextrin used for a novel UV absorber for ballpoint pen ink. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2014, 78, 337-350.	0.9	10
50	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
51	Spectral, electrochemical and docking studies of 5-indanol:Î²-CD inclusion complex. Physics and Chemistry of Liquids, 2013, 51, 567-585.	0.4	8
52	Spectral Studies on the Supramolecular Assembly of 1H2NA: Î²-CD Complex and its Analytical Application as Chemosensor for the Selective Sensing of Cr3+. Polycyclic Aromatic Compounds, 2013, 33, 221-235.	1.4	7
53	Preparation and characterization of poly(oâ€anisidine) with the influence of surfactants on stainless steel by electrochemical polymerization as a counter electrode for dyeâ€sensitized solar cells. Journal of Applied Polymer Science, 2015, 132, .	1.3	7
54	Reinforcement of â€˜imine-hydroxyl chelation pocketâ€™ by encapsulating into the Î²-CD cavity for the sterically protective detection of Al3+. Journal of Molecular Liquids, 2021, 323, 114949.	2.3	7

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55	Preparation and characterization of quantum dot doped polyaniline photoactive film for organic solar cell application. Chemical Physics Letters, 2021, 771, 138517.	1.2	6
56	Silver nanoparticle decorated Î³-cyclodextrin with 1,5-dihydroxy naphthalene inclusion complex; as a sensitive fluorescence probe for dual metal ion sensing employing spectrum techniques. Chemical Physics Letters, 2022, 796, 139537.	1.2	6
57	Sorption onto insoluble Î²-cyclodextrin polymer for 2,4-dinitrophenol. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2012, 73, 321-328.	1.6	5
58	In situ electrochemical synthesis of a poly(oâ€anisidine) counter electrode for a dyeâ€sensitized solar cell. Journal of Applied Polymer Science, 2015, 132, .	1.3	4
59	Electrochemical sensing of N-phenyl-1-naphthylamine using the MWCNT/Î²-CD through â€˜host scavengerâ€“guest pollutantâ€™ mechanism. Chemical Papers, 2021, 75, 1421-1430.	1.0	3
60	Photo-anode surface modification using novel graphene oxide integrated with methylammonium lead iodide in organic-inorganic perovskite solar cells. Journal of Physics and Chemistry of Solids, 2021, 154, 110036.	1.9	1
61	Electrospun Nanofibers for Industrial and Energy Applications. , 2022, , 693-720.		1