

rajaram Rajamohan

List of Publications by Year in descending order

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31
papers

474
citations

687220

13
h-index

713332

21
g-index

31
all docs

31
docs citations

31
times ranked

533
citing authors

#	ARTICLE	IF	CITATIONS
1	Host-guest interaction of L-tyrosine with β -cyclodextrin. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008, 71, 125-132.	2.0	63
2	Preparation, characterization and molecular modeling studies of the inclusion complex of Caffeine with Beta-cyclodextrin. <i>Journal of Molecular Structure</i> , 2015, 1099, 616-624.	1.8	49
3	Spectral investigation and characterization of host-guest inclusion complex of 4,4'-methylene-bis(2-chloroaniline) with beta-cyclodextrin. <i>Carbohydrate Polymers</i> , 2014, 114, 558-566.	5.1	40
4	Spectral investigation and structural characterization of Dibenzalacetone: β -Cyclodextrin inclusion complex. <i>Journal of Molecular Structure</i> , 2014, 1068, 155-163.	1.8	32
5	Inclusion complexation and photoprototropic behaviour of 3-amino-5-nitrobenzothiazole with β -cyclodextrin. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008, 69, 371-377.	2.0	29
6	Fluorimetric and prototropic studies on the inclusion complexation of 3,3'-diaminodiphenylsulphone with β -cyclodextrin and its unusual behavior. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2010, 77, 473-477.	2.0	29
7	Host-guest interaction of cytidine in β -cyclodextrin microcavity: Characterization and docking study. <i>Journal of Molecular Liquids</i> , 2016, 219, 967-974.	2.3	27
8	Preparation and characterization of host-guest system between inosine and β -cyclodextrin through inclusion mode. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 147, 151-157.	2.0	22
9	A Study on Host-Guest Complexation of 5-Amino-2-Mercaptobenzimidazole with β -Cyclodextrin. <i>Journal of Solution Chemistry</i> , 2011, 40, 803-817.	0.6	21
10	Spectrofluorimetric Study on Inclusion Complexation of 2-Amino-6-fluorobenzothiazole with β -Cyclodextrin. <i>Collection of Czechoslovak Chemical Communications</i> , 2008, 73, 147-160.	1.0	15
11	Effect of inclusion complexation on the photophysical behavior of diphenylamine in β -cyclodextrin medium: A study by electronic spectra. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 83, 207-212.	2.0	14
12	Encapsulation of quercetin in β -cyclodextrin and (2-hydroxypropyl)- β -cyclodextrin cavity: <i>In-vitro</i> cytotoxic evaluation. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2017, 54, 894-901.	1.2	14
13	Investigation on association behavior between 1-Aminoisoquinoline and β -Cyclodextrin in solution and solid state. <i>Journal of Molecular Liquids</i> , 2016, 220, 918-925.	2.3	13
14	Supramolecular Interaction of Primaquine with Native β -Cyclodextrin. <i>Journal of Solution Chemistry</i> , 2018, 47, 906-929.	0.6	10
15	Theoretical Investigation of Inclusion Complexes of 3-Hydroxyflavone and Quercetin as Guests with Native and Modified β -Cyclodextrins as Hosts. <i>Polycyclic Aromatic Compounds</i> , 2023, 43, 141-153.	1.4	10
16	Electrospun polyvinylidene fluoride nanofibrous mats as the carrier for drug delivery system of benzocaine and its complex with β -cyclodextrin. <i>Journal of Molecular Liquids</i> , 2021, 341, 117411.	2.3	9
17	A study of host-guest complexation between amodiaquine and native cyclodextrin. Characterization in solid state and its <i>in-vitro</i> anticancer activity. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2016, 53, 282-289.	1.2	8
18	Spectral characteristics of desipramine in β -cyclodextrin cavity through inclusion complex. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2016, 53, 781-790.	1.2	8

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19	Non-Covalent Bonding Interaction between Primaquine as Guest and 2-(Hydroxypropyl)- β -Cyclodextrin as Host. <i>Polycyclic Aromatic Compounds</i> , 2022, 42, 1861-1878.	1.4	8
20	Photophysical and photoprototropic characteristics of phenothiazine in aqueous and β -cyclodextrin media. <i>Journal of Luminescence</i> , 2015, 168, 245-255.	1.5	7
21	Molecular encapsulation of amodiaquine in 2-hydroxypropyl β -cyclodextrin cavity. Characterization and its in vitro cytotoxicity. <i>Spectroscopy Letters</i> , 2018, 51, 198-204.	0.5	7
22	Spectral Studies on the Supramolecular Assembly of Uridine with β -Cyclodextrin and Its In Vitro Cytotoxicity. <i>Polycyclic Aromatic Compounds</i> , 2021, 41, 992-1011.	1.4	7
23	Effect of pH and structural orientation on supramolecular complexation of chloroquine in β -cyclodextrin medium. <i>Journal of Molecular Liquids</i> , 2021, 325, 115157.	2.3	7
24	Preparation and characterization of a imipramine- β -cyclodextrin inclusion complex. <i>Instrumentation Science and Technology</i> , 2016, 44, 651-671.	0.9	6
25	Supramolecular assembly between adenocard and native beta-cyclodextrin: Preparation, characterization and in-vitro cytotoxic evaluation. <i>Spectroscopy Letters</i> , 2018, 51, 496-509.	0.5	5
26	Improvement of cytotoxic activity of local anesthetics against human breast cancer cell line through the cyclodextrin complexes. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2017, 54, 402-410.	1.2	4
27	Photophysical and Photoprototropic Characteristics of 2-Aminobenzothiazole in β -Cyclodextrin Medium. <i>Journal of Fluorescence</i> , 2017, 27, 689-699.	1.3	3
28	Polymer-mediated electrospun nanofibrous mats on supramolecular assembly of nortriptyline in the β -cyclodextrin medium for antibacterial study. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2022, 33, 1256-1268.	1.9	3
29	Host-guest complexation between 5-aminoisoquinoline and β -cyclodextrin and its effect on spectral and prototropic characteristics. <i>Journal of Inclusion Phenomena and Macrocylic Chemistry</i> , 2012, 73, 99-108.	1.6	2
30	Molecular encapsulation of lidocaine and procaine into β -cyclodextrin cavity: in vitro cytotoxic evaluation. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2019, 56, 215-224.	1.2	1
31	Characterization and Molecular Docking Analysis for the Supramolecular Interaction of Lidocaine with β -Cyclodextrin. <i>Polycyclic Aromatic Compounds</i> , 2023, 43, 1202-1218.	1.4	1