David Landy

List of Publications by Year
in descending order

74	2,253	159358	243296
papers	citations	30 h-index	44 g-index

74	74	74	2428
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Polyoxometalate, Cationic Cluster, and Î³-Cyclodextrin: From Primary Interactions to Supramolecular Hybrid Materials. Journal of the American Chemical Society, 2017, 139, 12793-12803.	6.6	137
2	Remediation technologies using cyclodextrins: an overview. Environmental Chemistry Letters, 2012, 10, 225-237.	8.3	116
3	Characterization of Cyclodextrin/Volatile Inclusion Complexes: A Review. Molecules, 2018, 23, 1204.	1.7	114
4	Effect of cyclodextrin complexation on phenylpropanoidsâ€™ solubility and antioxidant activity. Beilstein Journal of Organic Chemistry, 2014, 10, 2322-2331.	1.3	79
5	Cyclodextrins: A new efficient absorbent to treat waste gas streams. Chemosphere, 2008, 70, 374-380.	4.2	73
6	Deep eutectic solvents as green absorbents of volatile organic pollutants. Environmental Chemistry Letters, 2017, 15, 747-753.	8.3	66
7	Determination of formation constants and structural characterization of cyclodextrin inclusion complexes with two phenolic isomers: carvacrol and thymol. Beilstein Journal of Organic Chemistry, 2016, 12, 29-42.	1.3	63
8	Catalytically active nanoparticles stabilized by hostâ€“guest inclusion complexes in water. Chemical Communications, 2009, , 1228.	2.2	59
9	Monitoring survey of the use patterns and pesticide residues on vegetables in the Niayes zone, Senegal. Chemosphere, 2016, 144, 1715-1721.	4.2	57
10	Space filling of Î²-cyclodextrin and Î²-cyclodextrin derivatives by volatile hydrophobic guests. Beilstein Journal of Organic Chemistry, 2013, 9, 1185-1191.	1.3	55
11	Study of the retention of aroma components by cyclodextrins by static headspace gas chromatography. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2008, 62, 297-302.	1.6	53
12	Photochemical behaviour upon the inclusion for some volatile organic compounds in new fluorescent indolizine Î²-cyclodextrin sensors. Journal of Photochemistry and Photobiology A: Chemistry, 2007, 185, 312-320.	2.0	51
13	Fluorescent Indolizine-b-Cyclodextrin Derivatives for the Detection of Volatile Organic Compounds. Sensors, 2008, 8, 3689-3705.	2.1	49
14	Nootkatone encapsulation by cyclodextrins: Effect on water solubility and photostability. Food Chemistry, 2017, 236, 41-48.	4.2	49
15	First evidence of molecular recognition between cyclodextrins and a water-soluble ligand used in aqueous phase organometallic catalysis. New Journal of Chemistry, 1999, 23, 469-472.	1.4	47
16	Cyclodextrins: from solute to solvent. Chemical Communications, 2020, 56, 3385-3388.	2.2	47
17	Fenton degradation assisted by cyclodextrins of a high molecular weight polycyclic aromatic hydrocarbon benzo[a]pyrene. Journal of Hazardous Materials, 2009, 168, 1296-1301.	6.5	46
18	Microextraction of bioactive compounds using deep eutectic solvents: a review. Environmental Chemistry Letters, 2021, 19, 3747-3759.	8.3	44

#	Article	IF	Citations
19	Hostâ€“Guest Binding Hierarchy within Redoxâ€•and Luminescenceâ€Responsive Supramolecular Selfâ€Assembly Based on Chalcogenide Clusters and Î³â€Cyclodextrin. Chemistry - A European Journal, 2018, 24, 13467-13478.	1.7	43
20	First Evidence of Cyclodextrin Inclusion Complexes in a Deep Eutectic Solvent. ACS Sustainable Chemistry and Engineering, 2019, 7, 6345-6351.	3.2	41
21	Unusual Inversion Phenomenon of Î²â€Cyclodextrin Dimers in Water. Chemistry - A European Journal, 2011, 17, 3949-3955.	1.7	37
22	Improving ITC studies of cyclodextrin inclusion compounds by global analysis of conventional and non-conventional experiments. Beilstein Journal of Organic Chemistry, 2014, 10, 2630-2641.	1.3	37
23	Rhodium catalyzed hydroformylation of 1-decene in low melting mixtures based on various cyclodextrins and N,Nâ€²-dimethylurea. Catalysis Communications, 2015, 63, 62-65.	1.6	37
24	Title is missing!. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2000, 38, 361-379.	1.6	35
25	Sulfobutyl Ether-Î²-Cyclodextrins: Promising Supramolecular Carriers for Aqueous Organometallic Catalysis. Advanced Synthesis and Catalysis, 2005, 347, 1301-1307.	2.1	35
26	Hofmeister effect in the Keggin-type polyoxotungstate series. Inorganic Chemistry Frontiers, 2021, 8, 12-25.	3.0	35
27	One and Two-dimensional NMR Investigations of the Inclusion of the Monosulfonated Triphenylphosphine in the Î²-cyclodextrin. Supramolecular Chemistry, 2002, 14, 11-20.	1.5	33
28	Molecular Recognition Between a Water-Soluble Organometallic Complex and a ?-Cyclodextrin: First Example of Second-Sphere Coordination Adducts Possessing a Catalytic Activity. Advanced Synthesis and Catalysis, 2004, 346, 1449-1456.	2.1	33
29	Supramolecularly controlled surface activity of an amphiphilic ligand. Application to aqueous biphasic hydroformylation of higher olefins. Catalysis Science and Technology, 2011, 1, 1347.	2.1	31
30	Water-Soluble Triphenylphosphane-3,3â€²,3â€²â€²-tricarboxylate (m-TPPTC) Ligand and Methylated Cyclodextrins: A New Combination for Biphasic Rhodium-Catalyzed Hydroformylation of Higher Olefins. Advanced Synthesis and Catalysis, 2006, 348, 1547-1552.	2.1	30
31	Cyclodextrin/Amphiphilic Phosphane Mixed Systems and their Applications in Aqueous Organometallic Catalysis. Advanced Synthesis and Catalysis, 2012, 354, 1337-1346.	2.1	30
32	New generation of supramolecular mixtures: Characterization and solubilization studies. International Journal of Pharmaceutics, 2020, 584, 119443.	2.6	30
33	A cyclodextrin dimer as a supramolecular reaction platform for aqueous organometallic catalysis. Chemical Communications, 2013, 49, 6989.	2.2	28
34	Properties and Catalytic Activities of New Easilyâ€Made Amphiphilic Phosphanes for Aqueous Organometallic Catalysis. Advanced Synthesis and Catalysis, 2010, 352, 1193-1203.	2.1	27
35	Layerâ€byâ€layer coating of textile with two oppositely charged cyclodextrin polyelectrolytes for extended drug delivery. Journal of Biomedical Materials Research - Part A, 2016, 104, 1408-1424.	2.1	27
36	Investigation of the complexation of essential oil components with cyclodextrins. Supramolecular Chemistry, 2015, 27, 620-628.	1.5	26

#	Article	IF	Citations
37	Cyclodextrins: A promising drug delivery vehicle for bisphosphonate. Carbohydrate Polymers, 2017, 156, 285-293.	5.1	25
38	Tuning the chaotropic effect as an assembly motif through one-electron transfer in a rhenium cluster. Chemical Communications, 2019, 55, 9951-9954.	2.2	25
39	Size-Exclusion Mechanism Driving Hostâ€“Guest Interactions between Octahedral Rhenium Clusters and Cyclodextrins. Inorganic Chemistry, 2019, 58, 13184-13194.	1.9	24
40	Noncovalent functionalization of multiwall carbon nanotubes by methylated-Î²-cyclodextrins modified by a triazole group. Chemical Communications, 2010, 46, 7382.	2.2	21
41	Development of a competitive continuous variation plot for the determination of inclusion compounds stoichiometry. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2007, 57, 409-413.	1.6	20
42	Label-free characterization of carbonic anhydrase-novel inhibitor interactions using surface plasmon resonance, isothermal titration calorimetry and fluorescence-based thermal shift assays. Journal of Molecular Recognition, 2014, 27, 46-56.	1.1	20
43	Impact of cyclodextrins on the behavior of amphiphilic ligands in aqueous organometallic catalysis. Beilstein Journal of Organic Chemistry, 2012, 8, 1479-1484.	1.3	19
44	The effect of cyclodextrin complexation on the solubility and photostability of nerolidol as pure compound and as main constituent of cabreuva essential oil. Beilstein Journal of Organic Chemistry, 2017, 13, 835-844.	1.3	18
45	Cyclodextrin complexation studies as the first step for repurposing of chlorpromazine. International Journal of Pharmaceutics, 2020, 584, 119391.	2.6	17
46	Synthesis and inclusion ability of anthracene appended Î²-cyclodextrins: unexpected effect of triazole linker. Carbohydrate Research, 2011, 346, 35-42.	1.1	16
47	Redox-Responsive Hostâ€“Guest Association between Î³-Cyclodextrin and Mixed-Metal Keggin-Type Polyoxometalates. Inorganic Chemistry, 2021, 60, 7433-7441.	1.9	16
48	Rhodium catalyzed hydroformylation assisted by cyclodextrins in biphasic medium: Can sulfonated naphthylphosphanes lead to active, selective and recyclable catalytic species?. Catalysis Today, 2015, 247, 47-54.	2.2	15
49	Exploring the self-assembly of dumbbell-shaped polyoxometalate hybrids, from molecular building units to nanostructured soft materials. Chemical Science, 2020, 11, 11072-11080.	3.7	15
50	Encapsulation of Chaotropic closoâ€Decahydrodecaborate Clusters Within Cyclodextrins: Synthesis, Solution Studies, and DFT Calculations. European Journal of Inorganic Chemistry, 2019, 2019, 3373-3382.	1.0	14
51	Eco-efficient Catalytic Hydrodechlorination of Carbon Tetrachloride in Aqueous Cyclodextrin Solutions. Catalysis Letters, 2006, 108, 209-214.	1.4	13
52	Experimental and Theoretical Study on the Inclusion Capability of a Fluorescent Indolizine Î²-Cyclodextrin Sensor Towards Volatile and Semi-volatile Organic Guest. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2006, 55, 263-269.	1.6	13
53	Hostâ€Guest Complexation Between Cyclodextrins and Hybrid Hexavanadates: What are the Driving Forces?. Chemistry - A European Journal, 2021, 27, 15516-15527.	1.7	13
54	Cyclophanes or Cyclodextrins: What is the Best Host for Aromatic Volatile Organic Compounds?. Supramolecular Chemistry, 2008, 20, 473-477.	1.5	12

#	Article	IF	Citations
55	Cyclodextrins for Remediation Technologies. Environmental Chemistry for A Sustainable World, 2012, , 47-81.	0.3	12
56	Recognition of iron ions by carbazoleâ€“desferrioxamine fluorescent sensor and its application in total iron detection in airbone particulate matter. Talanta, 2015, 144, 451-455.	2.9	11
57	Ionic liquids and cyclodextrin inclusion complexes: limitation of the affinity capillary electrophoresis technique. Analytical and Bioanalytical Chemistry, 2016, 408, 8211-8220.	1.9	11
58	Synthesis and inclusion capability of a Î²-cyclodextrin-tetrathiafulvalene derivative. Tetrahedron, 2006, 62, 9701-9704.	1.0	10
59	Complexation of tetrandrine with calcium ion probed by various spectroscopic methods and molecular modeling. Journal of Molecular Structure, 2003, 655, 81-87.	1.8	9
60	Cation binding characteristics of tetrandrine studied by UV-Vis absorption and fluorescence spectroscopies. Journal of Photochemistry and Photobiology A: Chemistry, 2003, 161, 79-85.	2.0	9
61	New fluorescent bisâ€Î²â€cyclodextrinâ€indolizine sensor. Synthesis and sensing ability. Journal of Heterocyclic Chemistry, 2007, 44, 783-786.	1.4	9
62	Complexation of triptolide and its succinate derivative with cyclodextrins: Affinity capillary electrophoresis, isothermal titration calorimetry and 1H NMR studies. Journal of Chromatography A, 2011, 1218, 8708-8714.	1.8	9
63	From Specific Î³â€CD/[Nb₆Cl₁₂(H₂O)₆]²⁺ Recognition to Biological Activity Tuning. Chemistry - A European Journal, 2020, 26, 7479-7485.	1.7	8
64	Cyclodextrin Complexation as a Way of Increasing the Aqueous Solubility and Stability of Carvedilol. Pharmaceutics, 2021, 13, 1746.	2.0	8
65	Contribution of headspace to the analysis of cyclodextrin inclusion complexes. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2019, 93, 19-32.	0.9	7
66	Binding constants determination of cyclodextrin inclusion complexes by affinity capillary electrophoresis. How to overcome the limitations induced by the UV-detector?. Journal of Chromatography A, 2020, 1623, 461209.	1.8	7
67	Combination of DES and macrocyclic host molecules: Review and perspectives. Current Opinion in Green and Sustainable Chemistry, 2022, 36, 100630.	3.2	7
68	Synthesis, inclusion capabilities, and electrical properties of some asymmetrical cyclophanes. Tetrahedron, 2008, 64, 721-732.	1.0	5
69	Solubilization of Eucalyptus citriodora essential oil and citronellal in deep eutectic solvents:water:cyclodextrins mixtures. Journal of Molecular Liquids, 2022, , 119371.	2.3	5
70	A competitive sensing system based on cyclobis(paraquat-p-phenylene) and a new Î²-cyclodextrin-tetrathiafulvalene derivative. Supramolecular Chemistry, 2009, 21, 372-378.	1.5	3
71	Inclusion ability of a monothiourea-tethered bis(Î²-cyclodextrin). Supramolecular Chemistry, 2009, 21, 442-449.	1.5	3
72	Methods for Extraction of Bioactive Compounds from Plant and Animal Matter Using Deep Eutectic Solvents. Environmental Chemistry for A Sustainable World, 2021, , 183-240.	0.3	3

#	Article	IF	Citations
73	Host-Guest Binding Hierarchy within Redox- and Luminescence-Responsive Supramolecular Self-Assembly Based on Chalcogenide Clusters and Î³-Cyclodextrin. Chemistry - A European Journal, 2018, 24, 13382-13382.	1.7	1
74	Measuring Binding Constants of Cyclodextrin Inclusion Compounds. Environmental Chemistry for A Sustainable World, 2018, , 223-255.	0.3	0