

Roymon Joseph

List of Publications by Year in descending order

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26
papers

2,101
citations

471061

17
h-index

525886

27
g-index

28
all docs

28
docs citations

28
times ranked

2581
citing authors

#	ARTICLE	IF	CITATIONS
1	Cucurbituril chemistry: a tale of supramolecular success. RSC Advances, 2012, 2, 1213-1247.	1.7	848
2	Ion and Molecular Recognition by Lower Rim 1,3-Di-conjugates of Calix[4]arene as Receptors. Chemical Reviews, 2011, 111, 4658-4702.	23.0	314
3	Cationic Pillararenes Potently Inhibit Biofilm Formation without Affecting Bacterial Growth and Viability. Journal of the American Chemical Society, 2016, 138, 754-757.	6.6	180
4	Lower Rim 1,3-Di{bis(2-picoyl)}amide Derivative of Calix[4]arene (L) as Ratiometric Primary Sensor toward Ag ⁺ and the Complex of Ag ⁺ as Secondary Sensor toward Cys: Experimental, Computational, and Microscopy Studies and INHIBIT Logic Gate Properties of L. Journal of Organic Chemistry, 2009, 74, 8181-8190.	1.7	84
5	Lower Rim 1,3-Derivative of Calix[4]arene-Appended Salicylidene Imine (H ₂ L): Experimental and Computational Studies of the Selective Recognition of H ₂ L toward Zn ²⁺ and Sensing Phosphate and Amino Acid by [ZnL]. Journal of Organic Chemistry, 2010, 75, 3387-3395.	1.7	77
6	Stabilization of Cucurbituril/Guest Assemblies via Long-Range Coulombic and CH ⁺ ⋯O Interactions. Journal of the American Chemical Society, 2014, 136, 6602-6607.	6.6	72
7	Experimental and Computational Studies of Selective Recognition of Hg ²⁺ by Amide Linked Lower Rim 1,3-Dibenzimidazole Derivative of Calix[4]arene: Species Characterization in Solution and that in the Isolated Complex, Including the Delineation of the Nanostructures. Journal of Organic Chemistry, 2008, 73, 5745-5758.	1.7	71
8	Fluorescence switch-on sensor for Cu ²⁺ by an amide linked lower rim 1,3-bis(2-picoyl)amine derivative of calix[4]arene in aqueous methanol. Tetrahedron Letters, 2009, 50, 2735-2739.	0.7	59
9	A direct fluorescence-on chemo-sensor for selective recognition of Zn(II) by a lower rim 1,3-di-derivative of calix[4]arene possessing bis-[N-(2-hydroxynaphthyl-1-methylimine)] pendants. Tetrahedron Letters, 2005, 46, 7967-7971.	0.7	55
10	Phosphonium pillar[5]arenes as a new class of efficient biofilm inhibitors: importance of charge cooperativity and the pillar platform. Chemical Communications, 2016, 52, 10656-10659.	2.2	51
11	Calix[4]arene-Based 1,3-Diconjugate of Salicylyl Imine Having Dibenzyl Amine Moiety (L): Synthesis, Characterization, Receptor Properties toward Fe ²⁺ , Cu ²⁺ , and Zn ²⁺ , Crystal Structures of Its Zn ²⁺ and Cu ²⁺ Complexes, and Selective Phosphate Sensing by the [ZnL]. Inorganic Chemistry, 2011, 50, 7050-7058.	1.9	46
12	Benzo-thiazole appended lower rim 1,3-di-amido-derivative of calix[4]arene: Synthesis, structure, receptor properties towards Cu ²⁺ , iodide recognition and computational modeling. Inorganica Chimica Acta, 2010, 363, 2833-2839.	1.2	31
13	Lower rim 1,3-di-amide-derivative of calix[4]arene possessing bis-[N-(2,2'-dipyridylamide)] pendants: a dual fluorescence sensor for Zn ²⁺ and Ni ²⁺ . Tetrahedron Letters, 2008, 49, 6257-6261.	0.7	30
14	Active case finding in contacts of people with tuberculosis. The Cochrane Library, 2011, , CD008477.	1.5	30
15	Quinoline appended pillar[5]arene (QPA) as Fe ³⁺ sensor and complex of Fe ³⁺ (FeQPA) as a selective sensor for F ⁻ , arginine and lysine in the aqueous medium. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 224, 117390.	2.0	22
16	High Exchange Rate Complexes of ¹²⁹ Xe with Water-Soluble Pillar[5]arenes for Adjustable Magnetization Transfer MRI. ChemPhysChem, 2019, 20, 246-251.	1.0	20
17	Selective Detection of Fe ³⁺ , F ⁻ , and Cysteine by a Novel Triazole-Linked Decaamine Derivative of Pillar[5]arene and Its Metal Ion Complex in Water. ACS Omega, 2020, 5, 6215-6220.	1.6	18
18	Synthesis and characterization of a (1+1) cyclic Schiff base of a lower rim 1,3-diderivative of p-tert-butylcalix[4]arene and its complexes of VO ₂ ⁺ , Fe ³⁺ , Ni ²⁺ , Cu ²⁺ and Zn ²⁺ . Polyhedron, 2010, 29, 1035-1040.	1.0	14

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19	Design Guidelines for Cationic Pillar[n]arenes that Prevent Biofilm Formation by Gram-Positive Pathogens. ACS Infectious Diseases, 2021, 7, 579-585.	1.8	14
20	Pillar[5]arene microcapsules turn on fluid flow in the presence of paraquat. Chemical Communications, 2020, 56, 9284-9287.	2.2	12
21	Photophysical properties of the interaction of lower rim 1,3-bis(aminoethoxy)-calix[4]arene derivative with Pb ²⁺ , Hg ²⁺ and Cd ²⁺ ions: Recognition of Hg ²⁺ . Journal of Photochemistry and Photobiology A: Chemistry, 2007, 188, 325-328.	2.0	11
22	Subtle "supramolecular buttressing effects" in Cucurbit[7]uril/guest assemblies. Organic and Biomolecular Chemistry, 2013, 11, 3116.	1.5	11
23	Cucurbit[8]uril recognition of rapidly interconverting diastereomers. Supramolecular Chemistry, 2014, 26, 632-641.	1.5	9
24	Atropisomerization in Confined Space; Cucurbiturils as Tools to Determine the Torsional Barrier of Substituted Biphenyls. European Journal of Organic Chemistry, 2014, 2014, 105-110.	1.2	8
25	Pillar[n]arene Derivatives as Sensors for Amino Acids. ChemistrySelect, 2021, 6, 3519-3533.	0.7	8
26	Modulation of liquid structure and controlling molecular diffusion using supramolecular constructs. Chemical Communications, 2021, 57, 10604-10607.	2.2	5