

# Rama Mohana Rao Dumpala

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

184  
citations

1163117

8  
h-index

1199594

12  
g-index

22  
all docs

22  
docs citations

22  
times ranked

113  
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermodynamic study of Eu(III) complexation by pyridine monocarboxylates. <i>Journal of Chemical Thermodynamics</i> , 2012, 55, 67-74.	2.0	25
2	Reduction in Coordination Number of Eu(III) on Complexation with Pyrazine Mono- and Di-Carboxylates in Aqueous Medium. <i>Inorganic Chemistry</i> , 2019, 58, 11180-11194.	4.0	20
3	Complexation of thorium with pyridine monocarboxylates: A thermodynamic study by experiment and theory. <i>Journal of Chemical Thermodynamics</i> , 2013, 58, 432-439.	2.0	18
4	Complexation of thorium with pyridine monocarboxylate-N-oxides: Thermodynamic and computational studies. <i>Journal of Chemical Thermodynamics</i> , 2018, 122, 13-22.	2.0	13
5	Experimental and DFT studies on complexation of uranyl with N-(2-Hydroxyethyl)iminodiacetic acid in aqueous medium. <i>Inorganica Chimica Acta</i> , 2020, 508, 119653.	2.4	13
6	Structural, luminescence, thermodynamic and theoretical studies on mononuclear complexes of Eu(III) with pyridine monocarboxylate-N-oxides in aqueous solution. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 190, 150-163.	3.9	12
7	Stabilization of uranyl( $\text{UO}_2^{2+}$ ) by dipicolinic acid in aqueous medium. <i>Dalton Transactions</i> , 2021, 50, 1486-1495.	3.3	11
8	Aquatic interaction of uranium with two naturally ubiquitous pyrazine compounds: Speciation studies by experiment and theory. <i>Chemosphere</i> , 2020, 249, 126116.	8.2	9
9	New Greener and Sustainable Methodology for Direct Sequestering and Analysis of Uranium Using a Maline Supramolecular Scaffold and Mechanistic Understanding through Speciation and Interaction Studies. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 7846-7862.	6.7	9
10	Solution Thermodynamics for the Thorium Complexation with N-(2-Hydroxyethyl) Iminodiacetic Acid. <i>Journal of Chemical &amp; Engineering Data</i> , 2020, 65, 2927-2937.	1.9	8
11	Coordination Modes of Hydroxamates in Neptunium (V) Complexes in Aqueous Solution. <i>ChemistrySelect</i> , 2017, 2, 2722-2731.	1.5	6
12	Accountancy for intrinsic colloids on thorium solubility: The fractionation of soluble species and the characterization of solubility limiting phase. <i>Chemosphere</i> , 2021, 269, 129327.	8.2	6
13	Stability, speciation and spectral properties of $\text{NpO}_2^{2+}$ complexes with pyridine monocarboxylates in aqueous solution. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 181, 13-22.	3.9	5
14	Electrochemical, spectroscopic and theoretical studies on redox speciation of neptunium with phenylphosphonic acid. <i>Inorganica Chimica Acta</i> , 2018, 482, 307-316.	2.4	5
15	Characterization of Thorium-Pyrazinoic acid complexation and its decorporation efficacy in human cells and blood. <i>Chemosphere</i> , 2021, 271, 129547.	8.2	5
16	Protonation of Pyridine Monocarboxylate-N-Oxides – Determination of Thermodynamic, Absorbance and Ion Interaction Parameters. <i>ChemistrySelect</i> , 2017, 2, 820-829.	1.5	4
17	Experimental and theoretical approach to probe the aquatic speciation of transuranic (neptunyl) ion in presence of two omnipresent organic moieties. <i>Chemosphere</i> , 2021, 273, 129745.	8.2	4
18	Mechanism of thorium-nitrate and thorium-dioxide induced cytotoxicity in normal human lung epithelial cells (WI26): Role of oxidative stress, HSPs and DNA damage. <i>Environmental Pollution</i> , 2021, 281, 116969.	7.5	3

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19	The aqueous interaction of neodymium with two omni existent biomoieties â€“ a mechanistic understanding by experimental and theoretical studies. Dalton Transactions, 2021, 50, 16191-16204.	3.3	3
20	Elucidation of the sorbent role in sorption thermodynamics of uranium( $\text{U}^{VI}$ ) on goethite. Environmental Sciences: Processes and Impacts, 2022, , .	3.5	2
21	Protonation of Phosphonocarboxylates in Aqueous Medium: An Experimental and Theoretical Investigation. Journal of Chemical & Engineering Data, 0, , .	1.9	2
22	Electrochemical recovery of plutonium from aqueous carbonate waste solutions. Chemical Communications, 2022, 58, 1111-1114.	4.1	1