

# Rathinam Arthur James

## List of Publications by Citations

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44  
papers

561  
citations

14  
h-index

23  
g-index

47  
ext. papers

667  
ext. citations

3.2  
avg, IF

3.75  
L-index

#	Paper	IF	Citations
44	BSA binding and antimicrobial studies of branched polyethyleneimine-copper(II)bipyridine/phenanthroline complexes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2012</b> , 96, 108-16	4.4	65
43	Antibiotic resistant pathogens versus human impacts: a study from three eco-regions of the Chennai coast, southern India. <i>Marine Pollution Bulletin</i> , <b>2012</b> , 64, 790-800	6.7	54
42	Anthropogenic nexus on organochlorine pesticide pollution: a case study with Tamiraparani river basin, South India. <i>Environmental Monitoring and Assessment</i> , <b>2012</b> , 184, 3861-73	3.1	42
41	Multivariate water quality assessment from the Tamiraparani river basin, Southern India. <i>Environmental Earth Sciences</i> , <b>2014</b> , 71, 2441-2451	2.9	39
40	Marine Drugs: Implication and Future Studies. <i>International Journal of Pharmacology</i> , <b>2010</b> , 7, 22-30	0.7	36
39	Antifouling assessments on biogenic nanoparticles: A field study from polluted offshore platform. <i>Marine Pollution Bulletin</i> , <b>2015</b> , 101, 816-25	6.7	35
38	Historical pollution trends in coastal environments of India. <i>Environmental Monitoring and Assessment</i> , <b>2002</b> , 79, 151-76	3.1	33
37	DNA/RNA binding and anticancer/antimicrobial activities of polymer-copper(II) complexes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2013</b> , 109, 23-31	4.4	27
36	Screening of Chromium-Resistant Bacteria for Plant Growth-Promoting Activities. <i>Soil and Sediment Contamination</i> , <b>2013</b> , 22, 717-736	3.2	22
35	Multi metal assessment on biofilm formation in offshore environment. <i>Materials Science and Engineering C</i> , <b>2017</b> , 73, 743-755	8.3	19
34	A comparative study on the binding of single and double chain surfactant-cobalt(III) complexes with bovine serum albumin. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2013</b> , 113, 415-22	4.4	19
33	Physicochemical parameters aid microbial community? A case study from marine recreational beaches, Southern India. <i>Environmental Monitoring and Assessment</i> , <b>2014</b> , 186, 1875-87	3.1	17
32	Biogenic corrosion inhibitor on mild steel protection in concentrated HCl medium. <i>Scientific Reports</i> , <b>2018</b> , 8, 2609	4.9	16
31	Biocompatible nanoparticles with enhanced photocatalytic and anti-microfouling potential. <i>International Biodeterioration and Biodegradation</i> , <b>2019</b> , 145, 104790	4.8	14
30	Microbial Effects on Geochemical Parameters in a Tropical River Basin. <i>Environmental Processes</i> , <b>2015</b> , 2, 125-144	2.8	12
29	Irrigation water quality assessment—An example from the Tamiraparani river, Southern India. <i>Arabian Journal of Geosciences</i> , <b>2014</b> , 7, 5209-5220	1.8	12
28	Enumeration and Identification of Pathogenic Pollution Indicators in Cauvery River, South India. <i>Research Journal of Microbiology</i> , <b>2009</b> , 4, 540-549	0.1	12

27	Studies on the synthesis, characterization, human serum albumin binding and biological activity of single chain surfactant-cobalt(III) complexes. <i>Luminescence</i> , <b>2016</b> , 31, 523-532	2.5	7
26	Seasonal Species Variation of Sediment Organic Carbon Stocks in Salt Marshes of Tuticorin Area, Southern India. <i>Wetlands</i> , <b>2019</b> , 39, 483-494	1.7	7
25	Biomonitoring along the Tropical Southern Indian Coast with Multiple Biomarkers. <i>PLoS ONE</i> , <b>2016</b> , 11, e0154105	3.7	6
24	Antimicrobial profiling of coral reef and sponge associated bacteria from southeast coast of India. <i>Microbial Pathogenesis</i> , <b>2020</b> , 141, 103972	3.8	6
23	Bacterial Communities Associated With Healthy and Diseased (Skeletal Growth Anomaly) Reef Coral <i>Acropora cytherea</i> From Palk Bay, India. <i>Frontiers in Marine Science</i> , <b>2020</b> , 7,	4.5	5
22	Trace Metal Inference on Seaweeds in Wandoor Area, Southern Andaman Island. <i>Bulletin of Environmental Contamination and Toxicology</i> , <b>2018</b> , 100, 614-619	2.7	5
21	Biological and protein-binding studies of newly synthesized polymer-cobalt(III) complexes. <i>Luminescence</i> , <b>2016</b> , 31, 533-543	2.5	5
20	Synthesis and Antifungal Studies on CuO Nanostructures. <i>Advanced Materials Research</i> , <b>2012</b> , 488-489, 666-670	0.5	5
19	Microbial Pollution Indicators in the Cauvery River, Southern India <b>2013</b> , 363-376		5
18	2004 Post Tsunami Resilience and Recolonization of Mangroves in South Andaman, India. <i>Wetlands</i> , <b>2020</b> , 40, 619-635	1.7	5
17	COVID-19: molecular pathophysiology, genetic evolution and prospective therapeutics-a review. <i>Archives of Microbiology</i> , <b>2021</b> , 203, 2043-2057	3	4
16	Biocidal properties of sputtered CdO:ZnO multi-component thin films for potential use in pathogenic bacteria control. <i>Materials Research Express</i> , <b>2019</b> , 6, 104009	1.7	3
15	Genomic features and copper biosorption potential of a new <i>Alcanivorax</i> sp. VBW004 isolated from the shallow hydrothermal vent (Azores, Portugal). <i>Genomics</i> , <b>2020</b> , 112, 3268-3273	4.3	3
14	Socio-ecological studies on a tropical coastal area in southern India. <i>International Journal of Environmental Science and Technology</i> , <b>2019</b> , 16, 2279-2294	3.3	3
13	Purification of WAP domain-containing antimicrobial peptides from green tiger shrimp <i>Penaeus semisulcatus</i> . <i>Microbial Pathogenesis</i> , <b>2020</b> , 140, 103920	3.8	3
12	Antibacterial Activity of Halophilic Bacteria Against Drug-Resistant Microbes Associated with Diabetic Foot Infections. <i>Current Microbiology</i> , <b>2020</b> , 77, 3711-3723	2.4	3
11	Marine Bacterial Compounds Evaluated by In Silico Studies as Antipsychotic Drugs Against Schizophrenia. <i>Marine Biotechnology</i> , <b>2018</b> , 20, 639-653	3.4	2
10	Multivariate drug resistance and microbial risk assessment in tropical coastal communities. <i>Human and Ecological Risk Assessment (HERA)</i> , <b>2019</b> , 25, 1073-1095	4.9	2

9	Bioinspired Polymer Metal Complex Conjugates: [Co(NN)2Cl]2+ and [Cu(NN)2]2+ Moieties Graft in the Same Branched Polyethyleneimine (BPEI) Synthesis, Biophysical and Biological Studies. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , <b>2017</b> , 27, 528-541	3.2	1
8	Influence of suspended sediment loads on coastal hydrodynamics at Vengurla and Ratnagiri part of the Western Coast of India. <i>Arabian Journal of Geosciences</i> , <b>2021</b> , 14, 1	1.8	1
7	Interlinking of Rivers as a Strategy to Mitigate Coeval Floods and Droughts: India in Focus With Perspectives on Coastal Zone Management <b>2019</b> , 431-470		1
6	Environment education in India. <i>The Holistic Approach To Environment</i> , <b>2021</b> , 11, 122-127	0.3	1
5	Redistribution of riverine and rainfall freshwater by the Bay of Bengal circulation. <i>Ocean Dynamics</i> , <b>2021</b> , 71, 1113	2.3	0
4	Effects of Climate Variation in Microbial Community: A Current Scenario on Tropical Southern Indian Coastal Zone. <i>Journal of Climate Change</i> , <b>2019</b> , 5, 51-60	0.7	
3	Multimarker Pollution Studies Along the East Coast of Southern India <b>2019</b> , 331-346		
2	COVID-19 lockdown impacts on biochemical and microbiological parameters in southern Indian coast <b>2021</b> , 143-150		
1	Microbiome of Marine Shallow-Water Hydrothermal Vents <b>2021</b> , 333-347		