

Jayanthi Abraham

List of Publications by Year in descending order

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75
papers

2,055
citations

279701

23
h-index

254106

43
g-index

77
all docs

77
docs citations

77
times ranked

2442
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation on bioactivity, mechanical stability, bactericidal activity and in-vitro biocompatibility of magnesium silicates for bone tissue engineering applications. <i>Journal of Materials Research</i> , 2022, 37, 608-621.	1.2	9
2	Prevalence of Urinary bacterial colonisation in women seeking Obstetrical and Gynecological support at a secondary care centre in South India. <i>Research Journal of Pharmacy and Technology</i> , 2022, , 566-570.	0.2	0
3	Comparative investigation on antibacterial, biological and mechanical behaviour of monticellite and diopside derived from biowaste for bone regeneration. <i>Materials Chemistry and Physics</i> , 2022, 286, 126157.	2.0	12
4	Biom mineralization, mechanical, antibacterial and biological investigation of larnite and rankinite bioceramics. <i>Materials Science and Engineering C</i> , 2021, 118, 111466.	3.8	24
5	Antibacterial wollastonite supported excellent proliferation and osteogenic differentiation of human bone marrow derived mesenchymal stromal cells. <i>Journal of Sol-Gel Science and Technology</i> , 2021, 100, 506-516.	1.1	3
6	Isolation and Optimization of Laccase producing Marine Fungi <i>Neurospora crassa</i> AJAS1. <i>Research Journal of Pharmacy and Technology</i> , 2021, , 6592-6600.	0.2	0
7	Bioleaching of heavy metals from spent batteries using <i>Aspergillus nomius</i> JAMK1. <i>International Journal of Environmental Science and Technology</i> , 2020, 17, 49-66.	1.8	15
8	Nanoparticles fabrication by plant extracts. , 2020, , 143-157.		7
9	Impact of forsterite addition on mechanical and biological properties of composites. <i>Journal of Asian Ceramic Societies</i> , 2020, 8, 1051-1065.	1.0	15
10	A study of the in-vitro bioactivity, dissolution and antibacterial activity of larnite prepared by a novel sol-gel combustion method using sucrose as a fuel. <i>Bulletin of Materials Science</i> , 2020, 43, 1.	0.8	5
11	Biodegradation of carbendazim by a potent novel <i>Chryseobacterium</i> sp. JAS14 and plant growth promoting <i>Aeromonas caviae</i> JAS15 with subsequent toxicity analysis. <i>3 Biotech</i> , 2020, 10, 326.	1.1	14
12	Pyrethroids: A Natural Product for Crop Protection. , 2020, , 113-130.		6
13	Biodegradation of Polychlorinated Biphenyls. <i>Microorganisms for Sustainability</i> , 2019, , 263-284.	0.4	2
14	Biom mineralization, antibacterial activity and mechanical properties of biowaste derived diopside nanopowders. <i>Advanced Powder Technology</i> , 2019, 30, 1950-1964.	2.0	30
15	Mycoremediation of 17 β -Estradiol Using <i>Trichoderma citrinoviride</i> Strain AJAC3 along with Enzyme Studies. <i>Environmental Progress and Sustainable Energy</i> , 2019, 38, 13142.	1.3	21
16	Biodegradation of fipronil and its metabolite fipronil sulfone by <i>Streptomyces rochei</i> strain AJAG7 and its use in bioremediation of contaminated soil. <i>Pesticide Biochemistry and Physiology</i> , 2019, 155, 90-100.	1.6	30
17	Desorption of heavy metals from metal loaded sorbents and e-wastes: A review. <i>Biotechnology Letters</i> , 2019, 41, 319-333.	1.1	74
18	Simultaneous mitigation of aluminum, salinity and drought stress in <i>Lactuca sativa</i> growth via formulated plant growth promoting <i>Rhodotorula mucilaginosa</i> CAM4. <i>Ecotoxicology and Environmental Safety</i> , 2019, 180, 63-72.	2.9	44

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19	Antibacterial forsterite (Mg ₂ SiO ₄) scaffold: A promising bioceramic for load bearing applications. <i>Bioactive Materials</i> , 2018, 3, 218-224.	8.6	46
20	Profiling of red pigment produced by <i>Streptomyces</i> sp. JAR6 and its bioactivity. <i>3 Biotech</i> , 2018, 8, 22.	1.1	21
21	Current Advancements, Prospects and Challenges in Biomethanation. , 2018, , 125-146.		0
22	An overview of pyrethroid insecticides. <i>Frontiers in Biology</i> , 2018, 13, 79-90.	0.7	45
23	A review on melatonin action as therapeutic agent in cancer. <i>Frontiers in Biology</i> , 2018, 13, 180-189.	0.7	2
24	A molecular simulation analysis of vitamin D targets interleukin 13 (IL13) as an alternative to mometasone in asthma. <i>3 Biotech</i> , 2018, 8, 373.	1.1	5
25	BIODEGRADATION OF CHLORPYRIFOS AND 3,5,6-TRICHLORO-2-PYRIDINOL BY FUNGAL CONSORTIUM ISOLATED FROM PADDY FIELD SOIL. <i>Environmental Engineering and Management Journal</i> , 2018, 17, 523-528.	0.2	3
26	Biodegradation of carbendazim by <i>Rhodococcus erythropolis</i> and its plant growth-promoting traits. <i>Biology and Environment</i> , 2018, 118B, 69.	0.2	3
27	Drug Resistance of Bacterial Isolates from Hospital Sewage Soil Sample. <i>Research Journal of Pharmacy and Technology</i> , 2018, 11, 2901.	0.2	3
28	Cytotoxicity and Antimicrobial Activity of <i>Ipomoea batatas</i> . <i>Research Journal of Pharmacy and Technology</i> , 2018, 11, 2741.	0.2	5
29	Comparative study on degradation of norfloxacin and ciprofloxacin by <i>Ganoderma lucidum</i> JAPC1. <i>Korean Journal of Chemical Engineering</i> , 2017, 34, 1122-1128.	1.2	25
30	Bioremediation of Herbicide Atrazine by Fungal sp. <i>Aspergillus alliaceus</i> Strain JAV1 Isolated from Paddy Field Soil in Vellore. <i>Asian Journal of Water, Environment and Pollution</i> , 2017, 14, 75-82.	0.4	4
31	Microstructure, mechanical properties and biocorrosion behavior of dissimilar welds of AISI 904L and UNS S32750. <i>Journal of Manufacturing Processes</i> , 2017, 30, 27-40.	2.8	27
32	Biominalisation of fipronil and its major metabolite, fipronil sulfone, by <i>Aspergillus glaucus</i> strain AJAG1 with enzymes studies and bioformulation. <i>3 Biotech</i> , 2017, 7, 212.	1.1	24
33	Efficient management of e-wastes. <i>International Journal of Environmental Science and Technology</i> , 2017, 14, 211-222.	1.8	30
34	Microbial degradation of low density polyethylene. <i>Environmental Progress and Sustainable Energy</i> , 2017, 36, 147-154.	1.3	94
35	Effect of <i>Aspergillus versicolor</i> strain JASS1 on low density polyethylene degradation. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 263, 022038.	0.3	2
36	Screening for bioactivity of <i>Mutinus elegans</i> extracts. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 263, 022039.	0.3	0

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37	EVALUATION OF ANTIMICROBIAL, CYTOTOXICITY, AND DYEING PROPERTIES OF PRODIGIOSIN PRODUCED BY SERRATIA MARCESCENS STRAIN JAR8. Asian Journal of Pharmaceutical and Clinical Research, 2017, 10, 279.	0.3	8
38	Antibiotic profiling of Bacteria isolated from Sewage Soil Sample. Research Journal of Pharmacy and Technology, 2017, 10, 1053.	0.2	4
39	Gold Nanoparticles: Their Properties and Role as Therapeutic Anticancer Agents. , 2016, , 647-666.		2
40	DNA interaction and cytotoxic activity of copper complex based on tridentate hydrazone derived ligand and nitrogen donor heterocycle. Inorganic Chemistry Communication, 2016, 67, 67-71.	1.8	17
41	Screening of Furanone in Cucurbita melo and Evaluation of its Bioactive Potential Using In Silico Studies. Interdisciplinary Sciences, Computational Life Sciences, 2016, 8, 395-402.	2.2	2
42	Microbial degradation of low-density polyethylene (LDPE) by Aspergillus clavatus strain JASK1 isolated from landfill soil. 3 Biotech, 2016, 6, 52.	1.1	153
43	Biodegradation of chlorpyrifos and its hydrolysis product 3,5,6-trichloro-2-pyridinol using a novel bacterium Ochrobactrum sp. JAS2: A proposal of its metabolic pathway. Pesticide Biochemistry and Physiology, 2016, 126, 13-21.	1.6	75
44	Bioactivity of Hypomyces chrysospermus Methanol Extract. Research Journal of Pharmacy and Technology, 2016, 9, 157.	0.2	4
45	Biosorption of Copper using Oryza sativa and Aspergillus oryzae. Research Journal of Pharmacy and Technology, 2016, 9, 664.	0.2	1
46	Antimicrobial and Antioxidant Potential of <i>Penicillium decumbens</i> Strain AJA1 Against Various Pathogens. Research Journal of Pharmacy and Technology, 2016, 9, 801.	0.2	0
47	A preliminary study on pesticide tolerance and antibiotic resistance in bacterial strains isolated from chlorpyrifos contaminated paddy field of Thanjavur region. Research Journal of Pharmacy and Technology, 2016, 9, 2252.	0.2	1
48	Bacterial degradation of monocrotophos and phyto- and cyto-toxicological evaluation of metabolites. Toxicological and Environmental Chemistry, 2015, 97, 1202-1216.	0.6	8
49	Biogenic Strain of Silver and Selenium Nanoparticles by <i>Pseudomonas fluorescens</i> and <i>Cladosporium</i> sp. JAPSK3 Isolated from Coal Mine Samples and Their Antimicrobial Activity. International Journal of Nanoscience, 2015, 14, 1550017.	0.4	1
50	Plant Growth Promoting Bacteria Enterobacter asburiae JAS5 and Enterobacter cloacae JAS7 in Mineralization of Endosulfan. Applied Biochemistry and Biotechnology, 2015, 175, 3336-3348.	1.4	20
51	Mineralization of malathion by <i>Fusarium oxysporum</i> strain JASA1 isolated from sugarcane fields. Environmental Progress and Sustainable Energy, 2015, 34, 112-116.	1.3	17
52	Biosynthesis of silver and zinc oxide nanoparticles using Pichia fermentans JA2 and their antimicrobial property. Applied Nanoscience (Switzerland), 2015, 5, 63-71.	1.6	86
53	Synthesis of silver nanoparticles using plants extract and analysis of their antimicrobial property. Journal of Saudi Chemical Society, 2015, 19, 311-317.	2.4	407
54	Phytochemical and Cytotoxicity Analysis of Seeds and Leaves of <i>Adenanthera pavonina</i> . Research Journal of Pharmacy and Technology, 2015, 8, 198.	0.2	11

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55	Bioactivity and Molecular Docking of Secondary Metabolites produced by <i>Streptomyces xanthochromogenes</i> JAR5. Research Journal of Pharmacy and Technology, 2015, 8, 300.	0.2	6
56	Microbial Utilization of Malathion Isolated from Contaminated Soil of Sugarcane Fields in Vellore. Agricultural Research, 2014, 3, 339-345.	0.9	7
57	Efficacy of <i>Ganoderma</i> sp. JAS4 in bioremediation of chlorpyrifos and its hydrolyzing metabolite TCP from agricultural soil. Journal of Basic Microbiology, 2014, 54, 44-55.	1.8	23
58	Susceptibility Testing of Methicillin Resistant <i>Staphylococcus aureus</i> (MRSA) and Biological Role of Silver Nanoparticles of Honey Against MRSA. Journal of Biologically Active Products From Nature, 2014, 4, 332-342.	0.1	3
59	Halophilic bacterium JAS4 in biomineralisation of endosulfan and its metabolites isolated from <i>Gossypium herbaceum</i> rhizosphere soil. Journal of the Taiwan Institute of Chemical Engineers, 2014, 45, 1748-1756.	2.7	11
60	Biomineralization and formulation of endosulfan degrading bacterial and fungal consortiums. Pesticide Biochemistry and Physiology, 2014, 116, 24-31.	1.6	32
61	Ribosomally synthesized peptides from natural sources. Journal of Antibiotics, 2014, 67, 277-289.	1.0	30
62	Role of novel fungus <i>Lasiodiplodia</i> sp. JAS12 and plant growth promoting bacteria <i>Klebsiella pneumoniae</i> JAS8 in mineralization of endosulfan and its metabolites. Ecological Engineering, 2014, 70, 235-240.	1.6	13
63	Simultaneous degradation of organophosphorus and organochlorine pesticides by bacterial consortium. Journal of the Taiwan Institute of Chemical Engineers, 2014, 45, 2590-2596.	2.7	53
64	Biodegradation of chlorpyrifos and its hydrolyzing metabolite 3,5,6-trichloro-2-pyridinol by <i>Sphingobacterium</i> sp. JAS3. Process Biochemistry, 2013, 48, 1559-1564.	1.8	64
65	Ecofriendly Method for Bioremediation of Chlorpyrifos from Agricultural Soil by Novel Fungus <i>Aspergillus terreus</i> JAS1. Water, Air, and Soil Pollution, 2013, 224, 1.	1.1	67
66	Kinetic studies on enhancement of degradation of chlorpyrifos and its hydrolyzing metabolite TCP by a newly isolated <i>Alcaligenes</i> sp. JAS1. Journal of the Taiwan Institute of Chemical Engineers, 2013, 44, 438-445.	2.7	24
67	A Biological Approach to Synthesis of Silver Nanoparticles with <i>Streptomyces</i> sp. JAR1 and its Antimicrobial Activity. Scientia Pharmaceutica, 2013, 81, 607-621.	0.7	88
68	Role of <i>Gordonia</i> sp. JAAS1 in biodegradation of chlorpyrifos and its hydrolysing metabolite 3,5,6-trichloro-2-pyridinol. Letters in Applied Microbiology, 2013, 57, 510-516.	1.0	29
69	Mycoremediation of Endosulfan and Its Metabolites in Aqueous Medium and Soil by <i>Botryosphaeria laricina</i> JAS6 and <i>Aspergillus tamarii</i> JAS9. PLoS ONE, 2013, 8, e77170.	1.1	25
70	Screening and Characterization of Antimicrobial Agents from <i>Sanseveria roxburghiana</i> and <i>Sanseveria trifasciata</i> . Asian Journal of Plant Sciences, 2013, 12, 224-227.	0.2	1
71	In Vitro Antimicrobial Potential of the Lichen <i>Parmotrema</i> sp. Extracts against Various Pathogens. Iranian Journal of Basic Medical Sciences, 2013, 16, 882-5.	1.0	13
72	Antimicrobial properties of hemoglobin. Immunopharmacology and Immunotoxicology, 2012, 34, 896-900.	1.1	15

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73	Comparative Study on Antimicrobial Property of Silver Nanoparticles Synthesized by <i>Fusarium Equiseti</i> and <i>Fusarium Solani</i> . Journal of Bionanoscience, 2012, 6, 28-32.	0.4	2
74	Biodegradation of Diesel Oil using Yeast <i>Rhodosporidium toruloides</i> . Research Journal of Environmental Toxicology, 2011, 5, 369-377.	1.0	12
75	Studies on the biodegradation of natural and synthetic polyethylene by <i>Pseudomonas</i> spp. Journal of Applied Sciences and Environmental Management, 2010, 14, .	0.1	39