

Antony V Samrot

List of Publications by Year in descending order

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101
papers

1,792
citations

257450

24
h-index

330143

37
g-index

105
all docs

105
docs citations

105
times ranked

1453
citing authors

#	ARTICLE	IF	CITATIONS
1	Study on Effect of Fiber Loading Natural <i>Coccinia Grandis</i> Fiber Epoxy Composite. Journal of Natural Fibers, 2022, 19, 7542-7552.	3.1	7
2	Microbially synthesized silver nanoparticles: Mechanism and advantages—A review. , 2022, , 439-478.		0
3	Citrus sinensis cellulose fibres incorporated with SPIONs for effective removal of crystal violet dye. Biocatalysis and Agricultural Biotechnology, 2022, 39, 102211.	3.1	6
4	Role of Nanoparticles in Biodegradation and Their Importance in Environmental and Biomedical Applications. Journal of Nanomaterials, 2022, 2022, 1-15.	2.7	15
5	Utilization of Superparamagnetic Iron Oxide Nanoparticles (SPIONs) Impregnated Activated Carbon for Removal of Hexavalent Chromium. Journal of Nanomaterials, 2022, 2022, 1-13.	2.7	10
6	Toxicity evaluation of SPIONs on Danio rerio embryonic development. Materials Today: Proceedings, 2022, , .	1.8	3
7	The utilization of Garcinia mangostana fibers for the removal of crystal violet dye. Materials Today: Proceedings, 2022, , .	1.8	2
8	Waste-Derived Cellulosic Fibers and Their Applications. Advances in Materials Science and Engineering, 2022, 2022, 1-13.	1.8	11
9	Bioactive Potential of Brown Algae. Adsorption Science and Technology, 2022, 2022, .	3.2	23
10	A Review of Different Vaccines and Strategies to Combat COVID-19. Vaccines, 2022, 10, 737.	4.4	8
11	Purification and Characterization of Gum-Derived Polysaccharides of Moringa oleifera and Azadirachta indica and Their Applications as Plant Stimulants and Bio-Pesticidal Agents. Molecules, 2022, 27, 3720.	3.8	9
12	Ficus lyrata plant gum derived polysaccharide based nanoparticles and its application. Biocatalysis and Agricultural Biotechnology, 2021, 31, 101871.	3.1	11
13	A review on synthesis, characterization and potential biological applications of superparamagnetic iron oxide nanoparticles. Current Research in Green and Sustainable Chemistry, 2021, 4, 100042.	5.6	178
14	Adsorption efficiency of chemically synthesized Superparamagnetic Iron Oxide Nanoparticles (SPIONs) on crystal violet dye. Current Research in Green and Sustainable Chemistry, 2021, 4, 100066.	5.6	40
15	Antimicrobial activity, antiproliferative activity, amylase inhibitory activity and phytochemical analysis of ethanol extract of corn (Zea mays L.) silk. Current Research in Green and Sustainable Chemistry, 2021, 4, 100089.	5.6	19
16	Antimicrobial activity of flower extracts against wound pathogens and fungi. Current Research in Green and Sustainable Chemistry, 2021, 4, 100076.	5.6	5
17	Surface-modified and untreated Cissus quadrangularis reinforced polylactic composite. Current Research in Green and Sustainable Chemistry, 2021, 4, 100121.	5.6	9
18	Leptospirosis Infection, Pathogenesis and Its Diagnosis—A Review. Pathogens, 2021, 10, 145.	2.8	45

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19	Metabolic utilization of human osteoblast cell line hFOB 1.19 under normoxic and hypoxic conditions: A phenotypic microarray analysis. <i>Experimental Biology and Medicine</i> , 2021, 246, 1177-1183.	2.4	2
20	Evidence-based traditional Siddha formulations for prophylaxis and management of respiratory symptoms in COVID-19 pandemic-a review. <i>Biocatalysis and Agricultural Biotechnology</i> , 2021, 35, 102056.	3.1	12
21	Extraction of Chitosan from Crab Shell and Fungi and Its Antibacterial Activity against Urinary Tract Infection Causing Pathogens. <i>Journal of Pure and Applied Microbiology</i> , 2021, 15, 968-975.	0.9	2
22	Lipofection of Single Guide RNA Targeting MMP8 Decreases Proliferation and Migration in Lung Adenocarcinoma Cells. <i>Medicina (Lithuania)</i> , 2021, 57, 710.	2.0	0
23	Stem Cell Therapy in Dengue Virus-Infected BALB/C Mice Improves Hepatic Injury. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 637270.	3.7	4
24	Mechanisms and Impact of Biofilms and Targeting of Biofilms Using Bioactive Compounds—A Review. <i>Medicina (Lithuania)</i> , 2021, 57, 839.	2.0	32
25	Hypoxia in Bone and Oxygen Releasing Biomaterials in Fracture Treatments Using Mesenchymal Stem Cell Therapy: A Review. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 634131.	3.7	8
26	Overview on toxicity of nanoparticles, its mechanism, models used in toxicity studies and disposal methods — A review. <i>Biocatalysis and Agricultural Biotechnology</i> , 2021, 36, 102117.	3.1	35
27	The Synthesis, Characterization and Applications of Polyhydroxyalkanoates (PHAs) and PHA-Based Nanoparticles. <i>Polymers</i> , 2021, 13, 3302.	4.5	33
28	Bioactivity and Plant Growth Stimulation Studies using <i>Mangifera indica</i> L. Gum. <i>Journal of Pure and Applied Microbiology</i> , 2021, 15, 2073-2084.	0.9	7
29	A Short-Term Solar Photovoltaic Power Optimized Prediction Interval Model Based on FOS-ELM Algorithm. <i>International Journal of Photoenergy</i> , 2021, 2021, 1-12.	2.5	26
30	Evaluation of Antidiabetic Activity of <i>Sargassum tenerrimum</i> in Streptozotocin-Induced Diabetic Mice. <i>Journal of Pure and Applied Microbiology</i> , 2021, 15, 2462-2472.	0.9	1
31	Utilizing pharmacological properties of polyphenolic curcumin in nanotechnology. <i>Biocatalysis and Agricultural Biotechnology</i> , 2021, 38, 102212.	3.1	8
32	Utilization of <i>Carica papaya</i> latex on coating of SPIONs for dye removal and drug delivery. <i>Scientific Reports</i> , 2021, 11, 24511.	3.3	8
33	Utilization of gum polysaccharide of <i>Araucaria heterophylla</i> and <i>Azadirachta indica</i> for encapsulation of cyfluthrin loaded super paramagnetic iron oxide nanoparticles for mosquito larvicidal activity. <i>International Journal of Biological Macromolecules</i> , 2020, 153, 1024-1034.	7.5	18
34	Looking into dental pulp stem cells in the therapy of photoreceptors and retinal degenerative disorders. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2020, 203, 111727.	3.8	6
35	Antidiabetic potential of methanolic extracts of <i>Sargassum wightii</i> in streptozotocin induced diabetic mice. <i>Biocatalysis and Agricultural Biotechnology</i> , 2020, 28, 101763.	3.1	8
36	Production, characterization and application of nanocarriers made of polysaccharides, proteins, bio-polyesters and other biopolymers: A review. <i>International Journal of Biological Macromolecules</i> , 2020, 165, 3088-3105.	7.5	63

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37	Study on a Novel natural cellulosic fiber from <i>Kigelia africana</i> fruit: Characterization and analysis. <i>Carbohydrate Polymers</i> , 2020, 244, 116494.	10.2	86
38	Purification, characterization and exploitation of <i>Azadirachta indica</i> gum for the production of drug loaded nanocarrier. <i>Materials Research Express</i> , 2020, 7, 055007.	1.6	22
39	A study on influence of superparamagnetic iron oxide nanoparticles (SPIONs) on green gram (<i>Vigna Tj</i> ETQq1 1 0.784314 rgBT /Over	1.6	19
40	Hypoxic-Mediated Oxidative Stress Condition and Hydroxyapatite-Inducing Osteogenic Differentiation of Human Mesenchymal Stem Cells: A Mathematical Modeling Study. <i>Journal of Biomedical Nanotechnology</i> , 2020, 16, 910-921.	1.1	3
41	<p>Extraction, Purification, and Characterization of Polysaccharides of Araucaria heterophylla L and Prosopis chilensis L and Utilization of Polysaccharides in Nanocarrier Synthesis</p>. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 7097-7115.	6.7	27
42	Anti-microbial activity of seed extract of <i>Cucumis sativus</i> L., <i>Carica papaya</i> L. and <i>Annona squamosa</i> L.. <i>International Journal of Research in Pharmaceutical Sciences</i> , 2020, 11, 6719-6726.	0.1	2
43	Production and Utilization of SPIONs for In-vitro Drug Release and X-ray Imaging. <i>Journal of Pure and Applied Microbiology</i> , 2020, 14, 1317-1322.	0.9	2
44	Optimization of Keratinase Production and Utilization of <i>Bacillus pumilus</i> for Feather Degradation. <i>Journal of Pure and Applied Microbiology</i> , 2020, 14, 2483-2489.	0.9	2
45	Purification, Characterization, Optimization and Evaluation of Bioactivity Potential of Exopolysaccharides of <i>Curvularia Lunata</i> . <i>International Journal of Research in Pharmaceutical Sciences</i> , 2020, 11, 7476-7485.	0.1	0
46	Green Synthesis and Antibacterial Activity Studies of Silver Nanoparticles from the Aqueous Extracts of <i>Euphorbia hirta</i> . <i>Journal of Pure and Applied Microbiology</i> , 2020, 14, 301-306.	0.9	5
47	Purification, characterization and utilization of polysaccharide of <i>Araucaria heterophylla</i> gum for the synthesis of curcumin loaded nanocarrier. <i>International Journal of Biological Macromolecules</i> , 2019, 140, 393-400.	7.5	35
48	Dental pulp stem cells therapy overcome photoreceptor cell death and protects the retina in a rat model of sodium iodate-induced retinal degeneration. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2019, 198, 111561.	3.8	18
49	Production, characterization and optimization of fibrinolytic protease from <i>Bacillus pseudomycoloides</i> strain MA02 isolated from poultry slaughter house soils. <i>Biocatalysis and Agricultural Biotechnology</i> , 2019, 22, 101371.	3.1	15
50	<p>Surface-Engineered Super-Paramagnetic Iron Oxide Nanoparticles For Chromium Removal</p>. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 8105-8119.	6.7	43
51	Greener Approach for Leather Tanning Using Less Chrome with Plant Tannins and Tannins Mediated Nanoparticles. <i>Journal of Cluster Science</i> , 2019, 30, 1533-1543.	3.3	14
52	Bioactivity and Heavy Metal Removal Using Plant Gum Mediated Green Synthesized Silver Nanoparticles. <i>Journal of Cluster Science</i> , 2019, 30, 1599-1610.	3.3	36
53	Evaluation of Nanotoxicity of <i>Araucaria heterophylla</i> Gum Derived Green Synthesized Silver Nanoparticles on <i>Eudrilus eugeniae</i> and <i>Danio rerio</i> . <i>Journal of Cluster Science</i> , 2019, 30, 1017-1024.	3.3	20
54	Production, Optimization and Characterisation of Chitosanase of <i>Bacillus</i> sp. and its Applications in Nanotechnology. <i>Journal of Cluster Science</i> , 2019, 30, 607-620.	3.3	8

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55	Antibacterial Activity of Alkaloids, Flavonoids, Saponins and Tannins Mediated Green Synthesised Silver Nanoparticles Against <i>Pseudomonas aeruginosa</i> and <i>Bacillus subtilis</i> . <i>Journal of Cluster Science</i> , 2019, 30, 881-895.	3.3	42
56	Synthesis of Plant Latex Based Hybrid Nanocarriers Using Surfactants for Curcumin Delivery. <i>Journal of Cluster Science</i> , 2019, 30, 281-296.	3.3	3
57	Utilization of Chemically Synthesized Super Paramagnetic Iron Oxide Nanoparticles in Drug Delivery, Imaging and Heavy Metal Removal. <i>Journal of Cluster Science</i> , 2019, 30, 11-24.	3.3	23
58	Surfactant-mediated synthesis of polyhydroxybutyrate (PHB) nanoparticles for sustained drug delivery. <i>IET Nanobiotechnology</i> , 2019, 13, 416-427.	3.8	9
59	Electricity Generation using Carboxymethyl Cellulose and Kitchen Waste as Substrate by <i>Exiguobacterium</i> sp SU-5 in Mediatorless Microbial Fuel Cell. <i>Journal of Pure and Applied Microbiology</i> , 2019, 13, 2151-2158.	0.9	4
60	Evaluation of Antioxidant and Antimicrobial Activity of Some Plants Collected from Malaysia. <i>Journal of Pure and Applied Microbiology</i> , 2019, 13, 2363-2373.	0.9	4
61	EXTRACTION, CHARACTERIZATION AND INVITRO BIOACTIVITY EVALUATION OF ALKALOIDS, FLAVONOIDS, SAPONINS AND TANNINS OF <i>Cassia alata</i> , <i>Thespesia populnea</i> , <i>Euphorbia hirta</i> AND <i>Wrightia tinctoria</i> . <i>Rasayan Journal of Chemistry</i> , 2019, 12, 123-137.	0.4	7
62	ANTIBIOGRAM STUDY OF URINARY ISOLATES AMONG INPATIENTS AND OUTPATIENTS AT PUDUCHERRY STATE, SOUTH INDIA. <i>International Journal of Advanced Research in Engineering & Technology</i> , 2019, 10, .	0.3	1
63	Bioactivity Studies of <i>Datura metel</i> , <i>Aegle marmelos</i> , <i>Annona reticulata</i> and <i>Saraca indica</i> and their Green Synthesized Silver Nanoparticle. <i>Journal of Pure and Applied Microbiology</i> , 2019, 13, 329-338.	0.9	11
64	Targeting Acyl Homoserine Lactone (AHL) of <i>Pseudomonas aeruginosa</i> Responsible for Biofilm Formation using Plant Metabolites. <i>Journal of Pure and Applied Microbiology</i> , 2019, 13, 1841-1846.	0.9	1
65	Antioxidant and Quorum Quenching Activity against <i>Pseudomonas aeruginosa</i> SU-18 of some Edible Fruit Juices. <i>Journal of Pure and Applied Microbiology</i> , 2019, 13, 1863-1876.	0.9	6
66	GREEN SYNTHESIS AND ANTIBACTERIAL ACTIVITY STUDIES OF SILVER NANOPARTICLES FROM THE AQUEOUS EXTRACTS OF <i>WRIGHTIA TINCTORIA</i> . <i>International Journal of Advanced Research in Engineering & Technology</i> , 2019, 10, .	0.3	1
67	ELECTRICITY GENERATION IN MEDIATORLESS MICROBIAL FUEL CELL USING <i>AGROBACTERIUM TUMEFACIENS</i> SU-11 HAVING LACTOSE AND DAIRY WASTE AS CARBON SOURCE. <i>International Journal of Advanced Research in Engineering & Technology</i> , 2019, 10, .	0.3	0
68	LEATHER PROCESSING, ITS EFFECTS ON ENVIRONMENT AND ALTERNATIVES OF CHROME TANNING. <i>International Journal of Advanced Research in Engineering & Technology</i> , 2019, 10, .	0.3	10
69	Synthesis of curcumin loaded polymeric nanoparticles from crab shell derived chitosan for drug delivery. <i>Informatics in Medicine Unlocked</i> , 2018, 10, 159-182.	3.4	80
70	Antibacterial and Antioxidant Activity of Different Staged Ripened Fruit of <i>Capsicum annum</i> and Its Green Synthesized Silver Nanoparticles. <i>BioNanoScience</i> , 2018, 8, 632-646.	3.5	43
71	Biopolymer Coated Coreshell Magnetite Nanoparticles for Rifampicin Delivery. <i>Oriental Journal of Chemistry</i> , 2018, 34, 2389-2396.	0.3	8
72	Utilization of chitosan-coated superparamagnetic iron oxide nanoparticles for chromium removal. <i>Applied Water Science</i> , 2018, 8, 1.	5.6	31

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73	A Study on Toxicity of Chemically Synthesised Silver Nanoparticle on <i>Eudrilus eugeniae</i> . <i>Toxicology and Environmental Health Sciences</i> , 2018, 10, 162-167.	2.1	15
74	<i>Azadirachta indica</i> influenced biosynthesis of super-paramagnetic iron-oxide nanoparticles and their applications in tannery water treatment and X-ray imaging. <i>Journal of Nanostructure in Chemistry</i> , 2018, 8, 343-351.	9.1	33
75	Preparation, characterization and utilization of coreshell super paramagnetic iron oxide nanoparticles for curcumin delivery. <i>PLoS ONE</i> , 2018, 13, e0200440.	2.5	49
76	Evaluation of Toxicity of Chemically Synthesised Gold Nanoparticles Against <i>Eudrilus eugeniae</i> . <i>Journal of Cluster Science</i> , 2018, 29, 1217-1225.	3.3	11
77	Antibacterial activity of some edible fruits and its green synthesized silver nanoparticles against uropathogen " <i>Pseudomonas aeruginosa</i> SU 18. <i>Biocatalysis and Agricultural Biotechnology</i> , 2018, 16, 253-270.	3.1	33
78	Purification and Utilization of Gum from <i>Terminalia Catappa</i> L. for Synthesis of Curcumin Loaded Nanoparticle and Its In Vitro Bioactivity Studies. <i>Journal of Cluster Science</i> , 2018, 29, 989-1002.	3.3	16
79	Antibacterial Activity of Neem Extract and its Green Synthesized Silver Nanoparticles against <i>Pseudomonas aeruginosa</i> . <i>Journal of Pure and Applied Microbiology</i> , 2018, 12, 969-974.	0.9	12
80	SYNTHESIS OF POLYHYDROXYBUTYRATE NANOPARTICLES USING SURFACTANT (SPAN20) FOR HYDROPHOBIC DRUG DELIVERY. <i>Rasayan Journal of Chemistry</i> , 2018, 11, 1686-1695.	0.4	6
81	Synthesis and characterization of superparamagnetic iron-oxide nanoparticles (SPIONs) and utilization of SPIONs in X-ray imaging. <i>Applied Nanoscience (Switzerland)</i> , 2017, 7, 463-475.	3.1	65
82	Bioprospecting studies of pigmented <i>Pseudomonas aeruginosa</i> SU-1, <i>Microvirga aerilata</i> SU14 and <i>Bacillus megaterium</i> SU15 isolated from garden soil. <i>Biocatalysis and Agricultural Biotechnology</i> , 2017, 11, 330-337.	3.1	4
83	Optimization and characterization of poly[R]hydroxyalkanoate of <i>Pseudomonas aeruginosa</i> SU-1 to utilize in nanoparticle synthesis for curcumin delivery. <i>Biocatalysis and Agricultural Biotechnology</i> , 2017, 12, 292-298.	3.1	16
84	A study on the effect of chemically synthesized magnetite nanoparticles on earthworm: <i>Eudrilus eugeniae</i> . <i>Applied Nanoscience (Switzerland)</i> , 2017, 7, 17-23.	3.1	33
85	Sodium Tri Poly Phosphate Mediated Synthesis of Curcumin Loaded Chitosan-Carboxymethyl Cellulose Microparticles for Drug Delivery. <i>International Journal of Pharmacognosy and Phytochemical Research</i> , 2017, 9, .	0.2	2
86	Antibacterial Activity of the Silver Nanoparticles against <i>Escherichia coli</i> and <i>Enterobacter</i> sp. <i>Progress in Bioscience and Bioengineering</i> , 2017, 1, .	0.2	9
87	In vitro and In silico Approaches to Study the Bioactivity of Citrus limon Leaf Extracts. <i>Journal of Young Pharmacists</i> , 2017, 9, 290-295.	0.2	8
88	An <i>In vitro</i> Study on Bioactivity of <i>Ficus racemosa</i> . <i>Research Journal of Pharmacy and Technology</i> , 2017, 10, 4219.	0.8	2
89	Bioactivity of some Pigmented and Non-Pigmented Vegetables and Fruits. <i>Research Journal of Pharmacy and Technology</i> , 2017, 10, 4152.	0.8	1
90	Evaluation of bioactivity of <i>Annona muricata</i> , <i>Piper betle</i> and <i>Mentha spicata</i> . <i>International Journal of Pharmaceutical and Phytopharmacological Research</i> , 2017, 6, 1.	0.2	1

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91	Production, Optimization and Characterization of Poly[R]Hydroxyalkanoate from Enterobacter sp SU16. Indian Journal of Science and Technology, 2016, 9, .	0.7	2
92	Chelators influenced synthesis of chitosanâ€“carboxymethyl cellulose microparticles for controlled drug delivery. Applied Nanoscience (Switzerland), 2016, 6, 1219-1231.	3.1	28
93	Clinical Evaluation of Automated BACTEC MGIT 960 System for Identification, Recovery and Drug Susceptibility Testing of Mycobacterium tuberculosis Clinical Isolates. Indian Journal of Science and Technology, 2016, 9, .	0.7	2
94	In vitro Bioactivity Screening of Desmostachya bipinnata. Research Journal of Pharmacy and Technology, 2016, 9, 361.	0.8	3
95	Bioprospecting of <i>Brevibacillus brevis</i> Isolated from Soil. Recent Patents on Biotechnology, 2015, 9, 42-49.	0.8	5
96	Molecular analysis of rpoB gene mutations in rifampicin resistant Mycobacterium tuberculosis isolates by multiple allele specific polymerase chain reaction in Puducherry, South India. Journal of Infection and Public Health, 2015, 8, 619-625.	4.1	42
97	Molecular typing and differentiation of Mycobacterium tuberculosis clinical isolates using Double Repetitive Element PCR and Duplex PCR. International Journal of Mycobacteriology, 2015, 4, 60-66.	0.6	9
98	Phytochemical Screening and Bioactivity Study of cassia alata Leaves. Biosciences, Biotechnology Research Asia, 2015, 12, 291-296.	0.5	7
99	Optimization and Characterization of Poly[R]hydroxyalkanoates of Pseudomonas aeruginosa. Biosciences, Biotechnology Research Asia, 2015, 12, 2133-2138.	0.5	2
100	Accumulation of Poly[(R)-3-hydroxyalkanoates] in Enterobacter cloacae SU-1 During Growth with Two Different Carbon Sources in Batch Culture. Applied Biochemistry and Biotechnology, 2011, 163, 195-203.	2.9	25
101	<i>In vitro</i> antibacterial activity of biosynthesized silver nanoparticles against gram negative bacteria. Inorganic and Nano-Metal Chemistry, 0, , 1-10.	1.6	3