

# Shreshivadasan Chelliapan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4109938/publications.pdf>

Version: 2024-02-01

84  
papers

2,640  
citations

186209

28  
h-index

206029

48  
g-index

87  
all docs

87  
docs citations

87  
times ranked

2716  
citing authors

#	ARTICLE	IF	CITATIONS
1	The fate of imazapyr herbicide in the soil amended with carbon sorbents. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 7561-7569.	2.9	7
2	Removing microplastics from wastewater using leading-edge treatment technologies: a solution to microplastic pollution—a review. <i>Bioprocess and Biosystems Engineering</i> , 2023, 46, 309-321.	1.7	18
3	Efficiency of carbon sorbents in mitigating polar herbicides leaching from tropical soil. <i>Clean Technologies and Environmental Policy</i> , 2022, 24, 251-260.	2.1	12
4	Sargassum myriocystum-mediated TiO <sub>2</sub> -nanoparticles and their antimicrobial, larvicidal activities and enhanced photocatalytic degradation of various dyes. <i>Environmental Research</i> , 2022, 204, 112278.	3.7	42
5	Nano- from nature to nurture: A comprehensive review on facets, trends, perspectives and sustainability of nanotechnology in the food sector. <i>Energy</i> , 2022, 240, 122732.	4.5	55
6	Production and Characterization of a Novel Biosurfactant Molecule from <i>Bacillus safensis</i> YKS2 and Assessment of Its Efficiencies in Wastewater Treatment by a Directed Metagenomic Approach. <i>Sustainability</i> , 2022, 14, 2142.	1.6	23
7	The Content of Heavy Metals in Cigarettes and the Impact of Their Leachates on the Aquatic Ecosystem. <i>Sustainability</i> , 2022, 14, 4752.	1.6	16
8	The effects of aeration and mixotrophy by acetate and pyruvate on the growth parameters in <i>Scenedesmus obliquus</i> . <i>Biomass Conversion and Biorefinery</i> , 2022, 12, 4611-4620.	2.9	6
9	Bio-efficacy of imidazolinones in weed control in a tropical paddy soil amended with optimized agrowaste-derived biochars. <i>Chemosphere</i> , 2022, 303, 134957.	4.2	13
10	Does structural change boost the energy demand in a fossil fuel-driven economy? New evidence from Iran. <i>Energy</i> , 2022, 254, 124391.	4.5	5
11	Spotlighting graphene-based catalysts for the mitigation of environmentally hazardous pollutants to cleaner production: A review. <i>Journal of Cleaner Production</i> , 2022, 365, 132702.	4.6	48
12	Carrier wave optimization for multi-level photovoltaic system to improvement of power quality in industrial environments based on Salp swarm algorithm. <i>Environmental Technology and Innovation</i> , 2021, 21, 101197.	3.0	23
13	Fabrication of nanocomposites mediated from aluminium nanoparticles/Moringa oleifera gum activated carbon for effective photocatalytic removal of nitrate and phosphate in aqueous solution. <i>Journal of Cleaner Production</i> , 2021, 281, 124553.	4.6	60
14	Effect of organic loading rate on the performance of modified anaerobic baffled reactor treating landfill leachate containing heavy metals. <i>Materials Today: Proceedings</i> , 2021, 46, 1913-1921.	0.9	10
15	Assessment of carbon footprint from transportation, electricity, water, and waste generation: towards utilisation of renewable energy sources. <i>Clean Technologies and Environmental Policy</i> , 2021, 23, 183-201.	2.1	31
16	An experimental investigation on phytoremediation performance of water lettuce ( <i>Pistia</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147 T 93, 1543-1553.	1.3	21
17	Study of oil sorption behaviour of esterified oil palm empty fruit bunch (OPEFB) fibre and its kinetics and isotherm studies. <i>Environmental Technology and Innovation</i> , 2021, 22, 101397.	3.0	13
18	Current technologies for recovery of metals from industrial wastes: An overview. <i>Environmental Technology and Innovation</i> , 2021, 22, 101525.	3.0	91

#	ARTICLE	IF	CITATIONS
19	Design Requirements for the Treatment of Stormwater Contaminated with Jet Fuel Oil using Corrugated Plate Interceptor. Egyptian Journal of Chemistry, 2021, .	0.1	0
20	The Evolution of Green Shipping Practices Adoption in the International Maritime Industry. TEM Journal, 2021, , 1112-1121.	0.4	4
21	Development of an operational excellence framework for organisational performance improvement in the Sudanese aviation industry. Journal of Industrial Engineering and Management, 2021, 14, 681.	1.0	1
22	Recent advances on the removal of phosphorus in aquatic plant-based systems. Environmental Technology and Innovation, 2021, 24, 101933.	3.0	28
23	Bioremediation potential of macroalgae Gracilaria edulis and Gracilaria changii co-cultured with shrimp wastewater in an outdoor water recirculation system. Environmental Technology and Innovation, 2020, 17, 100571.	3.0	17
24	Effect of COVID-19 virus on reducing GHG emission and increasing energy generated by renewable energy sources: A brief study in Malaysian context. Environmental Technology and Innovation, 2020, 20, 101151.	3.0	68
25	Application of response surface method for Total organic carbon reduction in leachate treatment using Fenton process. Environmental Technology and Innovation, 2020, 19, 101009.	3.0	25
26	Phyco-synthesis of Silver Nanoparticles Mediated from Marine Algae Sargassum myriocystum and Its Potential Biological and Environmental Applications. Waste and Biomass Valorization, 2020, 11, 5255-5271.	1.8	89
27	Bioethanol production from lignocellulosic biomass (water hyacinth): a biofuel alternative. , 2020, , 123-143.		17
28	Improved production of lipid contents by cultivating Chlorella pyrenoidosa in heterogeneous organic substrates. Clean Technologies and Environmental Policy, 2019, 21, 1969-1978.	2.1	58
29	Manganese disulfide-silicon dioxide nano-material: Synthesis, characterization, photocatalytic, antioxidant and antimicrobial studies. Journal of Photochemistry and Photobiology B: Biology, 2019, 198, 111579.	1.7	40
30	Microalgal Biotechnology Application Towards Environmental Sustainability. , 2019, , 445-465.		8
31	DEVELOPMENT OF AEROBIC GRANULES IN SEQUENCING BATCH REACTOR SYSTEM FOR TREATING HIGH TEMPERATURE DOMESTIC WASTEWATER. Jurnal Teknologi (Sciences and Engineering), 2019, 81, .	0.3	3
32	Accelerated two-stage bioprocess for hydrogen and methane production from palm oil mill effluent using continuous stirred tank reactor and microbial electrolysis cell. Journal of Cleaner Production, 2019, 229, 84-93.	4.6	64
33	Preparation, and structural of new NiS-SiO <sub>2</sub> and Cr <sub>2</sub> S <sub>3</sub> -TiO <sub>2</sub> nano-catalyst: Photocatalytic and antimicrobial studies. Journal of Photochemistry and Photobiology B: Biology, 2019, 194, 128-134.	1.7	54
34	Novel Z-scheme composite Ag <sub>2</sub> CrO <sub>4</sub> /NG/polyimide as high performance nano catalyst for photoreduction of CO <sub>2</sub> : Design, fabrication, characterization and mechanism. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 368, 30-40.	2.0	39
35	Microalgae Cultivation Using Various Sources of Organic Substrate for High Lipid Content. Green Energy and Technology, 2019, , 893-898.	0.4	4
36	Removal of COD from landfill leachate by Predication and Evaluation of Multiple Linear Regression (MLR) Model and Fenton process. Egyptian Journal of Chemistry, 2019, .	0.1	6

#	ARTICLE	IF	CITATIONS
37	Elucidation and Characterization of New Chlorinated By-Products after Electrochemical Degradation of Hydrochlorothiazide Using Graphite-Poly Vinyl Chloride Electrode. <i>Catalysts</i> , 2018, 8, 540.	1.6	6
38	Treatment of Wastewater Using Seaweed: A Review. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 2851.	1.2	89
39	Optimization of aluminium recovery from water treatment sludge using Response Surface Methodology. <i>Journal of Environmental Management</i> , 2018, 228, 13-19.	3.8	65
40	Prediction and Optimization of the Fenton Process for the Treatment of Landfill Leachate Using an Artificial Neural Network. <i>Water (Switzerland)</i> , 2018, 10, 595.	1.2	63
41	Treatment of textile wastewater using a novel electrocoagulation reactor design. <i>Global Nest Journal</i> , 2018, 20, 449-457.	0.3	4
42	Evaluation of Lemna minor and Chlamydomonas to treat palm oil mill effluent and fertilizer production. <i>Journal of Water Process Engineering</i> , 2017, 17, 229-236.	2.6	45
43	Evaluation of Lipid Content in Microalgae Biomass Using Palm Oil Mill Effluent (Pome). <i>Jom</i> , 2017, 69, 1361-1367.	0.9	29
44	A review of electrocoagulation technology for the treatment of textile wastewater. <i>Reviews in Chemical Engineering</i> , 2017, 33, .	2.3	117
45	Review on fermentative biohydrogen production from water hyacinth, wheat straw and rice straw with focus on recent perspectives. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 20955-20969.	3.8	79
46	OVERVIEW OF URBAN HEAT ISLAND (UHI) PHENOMENON TOWARDS HUMAN THERMAL COMFORT. <i>Environmental Engineering and Management Journal</i> , 2017, 16, 2097-2111.	0.2	30
47	Removal Rate of Organic Matter Using Natural Cellulose via Adsorption Isotherm and Kinetic Studies. <i>Water Environment Research</i> , 2016, 88, 118-130.	1.3	13
48	Steam-Enhanced Extraction Experiments, Simulations and Field Studies for Dense Non-Aqueous Phase Liquid Removal: A Review. <i>MATEC Web of Conferences</i> , 2016, 47, 05012.	0.1	2
49	Electrocoagulation using a rotated anode: A novel reactor design for textile wastewater treatment. <i>Journal of Environmental Management</i> , 2016, 176, 34-44.	3.8	60
50	Optimization of methane production process from synthetic glucose feed in a multi-stage anaerobic bioreactor. <i>Desalination and Water Treatment</i> , 2016, 57, 29168-29177.	1.0	3
51	Electrocoagulation by solar energy feed for textile wastewater treatment including mechanism and hydrogen production using a novel reactor design with a rotating anode. <i>RSC Advances</i> , 2016, 6, 10192-10204.	1.7	28
52	Wasted cockle shell ( <i>Anadara granosa</i> ) as a natural adsorbent for treating polluted river water in the fabricated column model (FCM). <i>Desalination and Water Treatment</i> , 2016, 57, 16395-16403.	1.0	13
53	Effect of effluent circulation and hydraulic retention time (HRT) on the performance of a modified anaerobic baffled reactor (MABR) during start-up period. <i>Desalination and Water Treatment</i> , 2016, 57, 18597-18605.	1.0	3
54	Modeling of wastewater quality in an urban area during festival and rainy days. <i>Water Science and Technology</i> , 2015, 72, 1029-1042.	1.2	21

#	ARTICLE	IF	CITATIONS
55	Exploring Malaysian Household Consumers Acceptance towards Eco-friendly Laundry Detergent Powders. <i>Asian Social Science</i> , 2015, 11, .	0.1	9
56	Optimal Mixture Design of Mix-Wasted Tile Aggregates for Reducing Pavement Surface Temperature. <i>Journal of Materials in Civil Engineering</i> , 2015, 27, 04014239.	1.3	4
57	The diverse applications of water hyacinth with main focus on sustainable energy and production for new era: An overview. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 41, 943-954.	8.2	138
58	Utilization of palm oil mill effluent for polyhydroxyalkanoate production and nutrient removal using statistical design. <i>International Journal of Environmental Science and Technology</i> , 2014, 11, 671-684.	1.8	14
59	Thermal comfort of various building layouts with a proposed discomfort index range for tropical climate. <i>Journal of Thermal Biology</i> , 2014, 41, 6-15.	1.1	47
60	Characteristics and performance of aerobic granular sludge treating rubber wastewater at different hydraulic retention time. <i>Bioresource Technology</i> , 2014, 161, 155-161.	4.8	57
61	Impact of hydraulic retention time on the performance and archaea populations of an anaerobic reactor treating synthetic Tylosin wastewater. <i>Desalination and Water Treatment</i> , 2014, 52, 3647-3653.	1.0	3
62	Characterization of Phosphate-Free Detergent Powders Incorporated with Palm C16 Methyl Ester Sulfonate (C16MES) and Linear Alkyl Benzene Sulfonic Acid (LABSA). <i>Journal of Surfactants and Detergents</i> , 2014, 17, 871-880.	1.0	22
63	Detergency Stability and Particle Characterization of Phosphate-Free Spray Dried Detergent Powders Incorporated with Palm C16 Methyl Ester Sulfonate (C16MES). <i>Journal of Oleo Science</i> , 2014, 63, 585-592.	0.6	18
64	Cultivation of aerobic granular sludge for rubber wastewater treatment. <i>Bioresource Technology</i> , 2013, 129, 620-623.	4.8	52
65	Livestock wastewater treatment using aerobic granular sludge. <i>Bioresource Technology</i> , 2013, 133, 630-634.	4.8	100
66	Effect of Mecoprop (RS)-MCP on the biological treatment of synthetic wastewater in an anaerobic membrane bioreactor. <i>Bioresource Technology</i> , 2013, 133, 158-165.	4.8	10
67	Development of Bio-PORec® system for polyhydroxyalkanoates (PHA) production and its storage in mixed cultures of palm oil mill effluent (POME). <i>Bioresource Technology</i> , 2012, 124, 208-216.	4.8	47
68	Impact of the herbicide (RS)-MCP on an anaerobic membrane bioreactor performance under different COD/nitrate ratios. <i>Bioresource Technology</i> , 2012, 109, 31-37.	4.8	12
69	Performance of an innovative multi-stage anaerobic reactor during start-up period. <i>African Journal of Biotechnology</i> , 2011, 10, 11294-11302.	0.3	10
70	Effect of hydraulic retention time on up-flow anaerobic stage reactor performance at constant loading in the presence of antibiotic tylosin. <i>Brazilian Journal of Chemical Engineering</i> , 2011, 28, 51-61.	0.7	8
71	Influence of step increases in hydraulic retention time on (RS)-MCP degradation using an anaerobic membrane bioreactor. <i>Bioresource Technology</i> , 2011, 102, 9456-9461.	4.8	9
72	Influence of organic loading on the performance and microbial community structure of an anaerobic stage reactor treating pharmaceutical wastewater. <i>Desalination</i> , 2011, 271, 257-264.	4.0	76

#	ARTICLE	IF	CITATIONS
73	Tolerance of the antibiotic Tylosin on treatment performance of an Up-flow Anaerobic Stage Reactor (UASR). <i>Water Science and Technology</i> , 2011, 63, 1599-1606.	1.2	20
74	Treatment of Pharmaceutical Wastewater Containing Tylosin in an Anaerobic – Aerobic Reactor System. <i>Water Practice and Technology</i> , 2010, 5, .	1.0	5
75	Performance of an up-flow anaerobic stage reactor (UASR) in the treatment of pharmaceutical wastewater containing macrolide antibiotics. <i>Water Research</i> , 2006, 40, 507-516.	5.3	219
76	Application of low-cost fabricated column model for the adsorption analysis of pollutants from river water using coconut coir. <i>Desalination and Water Treatment</i> , 0, , 1-10.	1.0	3
77	Effectiveness of <i>Eichhornia crassipes</i> in nutrient removal from domestic wastewater based on its optimal growth rate. <i>Desalination and Water Treatment</i> , 0, , 1-6.	1.0	8
78	Effectiveness of Anaerobic Technologies in the Treatment of Landfill Leachate. , 0, , .		3
79	Effect of organic loading rate (OLR) on the performance of modified anaerobic baffled reactor (MABR) supported by slanted baffles. , 0, 79, 56-63.		12
80	Landfill leachate treatment by an anaerobic process enhanced with recyclable uniform beads (RUB) of seaweed species of <i>Gracilaria</i> . , 0, 143, 208-216.		8
81	Treatment of landfill leachate using modified anaerobic baffled reactor. , 0, 183, 268-275.		7
82	Qualitative methods to identify potential strains for partial degradation of oil palm mesocarp fibre. , 0, , 280-286.		1
83	Performance of an up-flow anaerobic sludge bed (UASB) reactor for treating landfill leachate containing heavy metals and formaldehyde. , 0, 86, 51-58.		5
84	Development of ZnO/MOGAC nanocomposites for enhanced photocatalytic removal of PO <sub>4</sub> <sup>3-</sup> and NO <sub>3</sub> <sup>-</sup> ions from wastewater under various light irradiations. <i>Biomass Conversion and Biorefinery</i> , 0, , 1.	2.9	18