# Yi-Li Lin

List of Publications by Year
in descending order



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|---|---|---|---|
| 117 papers | 3,409 citations | 109321 35 h-index | 189892 50 g-index |
| 117 all docs | 117 docs citations | 117 times ranked | 2622 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Kinetic models and pathways of ronidazole degradation by chlorination, UV irradiation and UV/chlorine processes. Water Research, 2014, 65, 271-281. | 11.3 | 128 |
| 2 | Effect of UV wavelength on humic acid degradation and disinfection by-product formation during the UV/chlorine process. Water Research, 2019, 154, 199-209. | 11.3 | 115 |
| 3 | Removal of small trihalomethane precursors from aqueous solution by nanofiltration. Journal of Hazardous Materials, 2007, 146, 20-29. | 12.4 | 99 |
| 4 | Photodegradation kinetics of iopamidol by UV irradiation and enhanced formation of iodinated disinfection by-products in sequential oxidation processes. Water Research, 2014, 58, 198-208. | 11.3 | 88 |
| 5 | Effects of organic, biological and colloidal fouling on the removal of pharmaceuticals and personal care products by nanofiltration and reverse osmosis membranes. Journal of Membrane Science, 2017, 542, 342-351. | 8.2 | 81 |
| 6 | Environmental and energy assessment of biomass residues to biochar as fuel: A brief review with recommendations for future bioenergy systems. Journal of Cleaner Production, 2020, 251, 119714. | 9.3 | 75 |
| 7 | Degradation of chlortoluron during UV irradiation and UV/chlorine processes and formation of disinfection by-products in sequential chlorination. Chemical Engineering Journal, 2016, 283, 412-419. | 12.7 | 73 |
| 8 | The degradation of phthalate esters in marine sediments by persulfate over ironâ€“cerium oxide catalyst. Science of the Total Environment, 2019, 696, 133973. | 8.0 | 71 |
| 9 | Formation of iodinated disinfection by-products during oxidation of iodide-containing waters with chlorine dioxide. Water Research, 2013, 47, 3006-3014. | 11.3 | 66 |
| 10 | Formation of organic chloramines during chlor(am)ination and UV/chlor(am)ination of algae organic matter in drinking water. Water Research, 2016, 103, 189-196. | 11.3 | 64 |
| 11 | Measurement of dissolved organic nitrogen in a drinking water treatment plant: Size fraction, fate, and relation to water quality parameters. Science of the Total Environment, 2011, 409, 1116-1122. | 8.0 | 63 |
| 12 | Investigation of iohexol degradation kinetics by using heat-activated persulfate. Chemical Engineering Journal, 2020, 379, 122403. | 12.7 | 63 |
| 13 | A comparison of iodinated trihalomethane formation from chlorine, chlorine dioxide and potassium permanganate oxidation processes. Water Research, 2015, 68, 394-403. | 11.3 | 59 |
| 14 | Degradation of iohexol by UV/chlorine process and formation of iodinated trihalomethanes during post-chlorination. Chemical Engineering Journal, 2016, 283, 1090-1096. | 12.7 | 59 |
| 15 | Effect of silica fouling on the removal of pharmaceuticals and personal care products by nanofiltration and reverse osmosis membranes. Journal of Hazardous Materials, 2014, 277, 102-109. | 12.4 | 58 |
| 16 | Enhanced inactivation of E. coli by pulsed UV-LED irradiation during water disinfection. Science of the Total Environment, 2019, 650, 210-215. | 8.0 | 58 |
| 17 | Measurements of dissolved organic nitrogen (DON) in water samples with nanofiltration pretreatment. Water Research, 2010, 44, 5376-5384. | 11.3 | 57 |
| 18 | Activation of percarbonate by water treatment sludgeâ€“derived biochar for the remediation of PAH-contaminated sediments. Environmental Pollution, 2020, 265, 114914. | 7.5 | 57 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Elucidating the Rejection Mechanisms of PPCPs by Nanofiltration and Reverse Osmosis Membranes. Industrial & Engineering Chemistry Research, 2014, 53, 6798-6806. | 3.7 | 56 |
| 20 | Relationship between chlorine consumption and chlorination by-products formation for model compounds. Chemosphere, 2006, 64, 1196-1203. | 8.2 | 55 |
| 21 | Modelling of iohexol degradation in a Fe(II)-activated persulfate system. Chemical Engineering Journal, 2019, 367, 86-93. | 12.7 | 54 |
| 22 | Comparison of iodinated trihalomethanes formation during aqueous chlor(am)ination of different iodinated X-ray contrast media compounds in the presence of natural organic matter. Water Research, 2014, 66, 390-398. | 11.3 | 53 |
| 23 | Formation of iodinated disinfection by-products during oxidation of iodide-containing water with potassium permanganate. Journal of Hazardous Materials, 2012, 241-242, 348-354. | 12.4 | 50 |
| 24 | Efficient Heterogeneous Activation of Persulfate by Iron-Modified Biochar for Removal of Antibiotic from Aqueous Solution: A Case Study of Tetracycline Removal. Catalysts, 2019, 9, 49. | 3.5 | 50 |
| 25 | Degradation of phenylurea herbicides by chlorine dioxide and formation of disinfection by-products during subsequent chlor(am)ination. Chemical Engineering Journal, 2014, 258, 210-217. | 12.7 | 48 |
| 26 | Evaluating iopamidol degradation performance and potential dual-wavelength synergy by UV-LED irradiation and UV-LED/chlorine treatment. Chemical Engineering Journal, 2019, 360, 806-816. | 12.7 | 48 |
| 27 | Enhanced ronidazole degradation by UV-LED/chlorine compared with conventional low-pressure UV/chlorine at neutral and alkaline pH values. Water Research, 2019, 160, 296-303. | 11.3 | 47 |
| 28 | Adsorption of haloforms onto GACs: Effects of adsorbent properties and adsorption mechanisms. Chemical Engineering Journal, 2018, 349, 849-859. | 12.7 | 46 |
| 29 | Kinetics and modeling of iodoform degradation during UV/chlorine advanced oxidation process. Chemical Engineering Journal, 2017, 323, 312-319. | 12.7 | 45 |
| 30 | Removal of pharmaceuticals and personal care products by Eichhornia crassipe and Pistia stratiotes. Journal of the Taiwan Institute of Chemical Engineers, 2016, 58, 318-323. | 5.3 | 44 |
| 31 | Chlor(am)ination of iopamidol: Kinetics, pathways and disinfection by-products formation. Chemosphere, 2017, 184, 489-497. | 8.2 | 40 |
| 32 | Formation of iodinated trihalomethanes during UV/chloramination with iodate as the iodine source. Water Research, 2016, 98, 199-205. | 11.3 | 39 |
| 33 | Degradation of acrylamide by the UV/chlorine advanced oxidation process. Chemosphere, 2017, 187, 268-276. | 8.2 | 38 |
| 34 | Chlorination of chlortoluron: Kinetics, pathways and chloroform formation. Chemosphere, 2011, 83, 909-916. | 8.2 | 37 |
| 35 | Factors affecting THM, HAN and HNM formation during UV-chlor(am)ination of drinking water. Chemical Engineering Journal, 2016, 306, 1180-1188. | 12.7 | 36 |
| 36 | Iodinated trihalomethane formation during chloramination of iodate-containing waters in the presence of zero valent iron. Water Research, 2017, 124, 219-226. | 11.3 | 36 |

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| 37 | A comparison of carbonaceous, nitrogenous and iodinated disinfection by-products formation potential in different dissolved organic fractions and their reduction in drinking water treatment processes. Separation and Purification Technology, 2014, 133, 82-90. | 7.9 | 34 |
| 38 | Effect of bromide and iodide on halogenated by-product formation from different organic precursors during UV/chlorine processes. Water Research, 2020, 182, 116035. | 11.3 | 33 |
| 39 | Reduction of disinfection by-products precursors by nanofiltration process. Journal of Hazardous Materials, 2006, 137, 324-331. | 12.4 | 32 |
| 40 | A comparison of iodinated trihalomethane formation from iodide and iopamidol in the presence of organic precursors during monochloramination. Chemical Engineering Journal, 2014, 257, 292-298. | 12.7 | 31 |
| 41 | Degradation kinetics of diatrizoate during UV photolysis and UV/chlorination. Chemical Engineering Journal, 2019, 360, 1003-1010. | 12.7 | 31 |
| 42 | Modifying thin-film composite forward osmosis membranes using various SiO2 nanoparticles for aquaculture wastewater recovery. Chemosphere, 2021, 281, 130796. | 8.2 | 31 |
| 43 | Efficacy and cytotoxicity of engineered ferromanganese-bearing sludge-derived biochar for percarbonate-induced phthalate ester degradation. Journal of Hazardous Materials, 2022, 422, 126922. | 12.4 | 31 |
| 44 | Phototransformation of iodate by UV irradiation: Kinetics and iodinated trihalomethane formation during subsequent chlor(am)ination. Journal of Hazardous Materials, 2017, 326, 138-144. | 12.4 | 30 |
| 45 | Formation of iodinated trihalomethanes during breakpoint chlorination of iodide-containing water. Journal of Hazardous Materials, 2018, 353, 505-513. | 12.4 | 30 |
| 46 | Co-processing textile sludge and lignocellulose biowaste for biofuel production through microwave-assisted wet torrefaction. Journal of Cleaner Production, 2020, 268, 122200. | 9.3 | 30 |
| 47 | Torrefaction of fruit peel waste to produce environmentally friendly biofuel. Journal of Cleaner Production, 2021, 284, 124676. | 9.3 | 30 |
| 48 | Degradation kinetics and N-Nitrosodimethylamine formation during monochloramination of chlortoluron. Science of the Total Environment, 2012, 417-418, 241-247. | 8.0 | 27 |
| 49 | Effect of UV irradiation on iodinated trihalomethane formation during post-chloramination. Water Research, 2018, 147, 101-111. | 11.3 | 27 |
| 50 | Microwave-assisted wet co-torrefaction of food sludge and lignocellulose biowaste for biochar production and nutrient recovery. Chemical Engineering Research and Design, 2020, 144, 273-283. | 5.6 | 27 |
| 51 | In situ concentration-polarization-enhanced radical graft polymerization of NF270 for mitigating silica fouling and improving pharmaceutical and personal care product rejection. Journal of Membrane Science, 2018, 552, 387-395. | 8.2 | 26 |
| 52 | Kinetics and model development of iohexol degradation during UV/H2O2 and UV/<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.svg"><mml:msub><mml:mi mathvariant="normal">S</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msubsup><mml:mi mathvariant="normal">O</mml:mi><mml:mn>8</mml:mn><mml:mrow><mml:mn>2</mml:mn><mml:mo>â^'</mml:mo></mml:mrow> oxidation. Chemosphere, 2019, 229, 602-610. | 8.2 | 26 |
| 53 | Torrefaction of fruit waste seed and shells for biofuel production with reduced CO2 emission. Energy, 2021, 225, 120226. | 8.8 | 24 |
| 54 | Impacts of Fishing Vessels on the Heavy Metal Contamination in Sediments: A Case Study of Qianzhen Fishing Port in Southern Taiwan. Water (Switzerland), 2022, 14, 1174. | 2.7 | 24 |

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| 55 | Reduction of natural organic matter by nanofiltration process. Chemosphere, 2009, 76, 1265-1272. | 8.2 | 23 |
| 56 | Factors affecting the water odor caused by chloramines during drinking water disinfection. Science of the Total Environment, 2018, 639, 687-694. | 8.0 | 23 |
| 57 | Comparison of different disinfection processes for controlling disinfection by-product formation in rainwater. Journal of Hazardous Materials, 2020, 385, 121618. | 12.4 | 22 |
| 58 | Fabrication and modification of forward osmosis membranes by using graphene oxide for dye rejection and sludge concentration. Chemical Engineering Research and Design, 2020, 144, 225-235. | 5.6 | 22 |
| 59 | Conversion of chlorine/nitrogen species and formation of nitrogenous disinfection by-products in the pre-chlorination/post-UV treatment of sulfamethoxazole. Water Research, 2019, 160, 188-196. | 11.3 | 21 |
| 60 | A comparison of dissolved organic matter transformation in low pressure ultraviolet (LPUV) and ultraviolet light-emitting diode (UV-LED)/chlorine processes. Science of the Total Environment, 2020, 702, 134942. | 8.0 | 21 |
| 61 | The fate and transformation of iodine species in UV irradiation and UV-based advanced oxidation processes. Water Research, 2021, 206, 117755. | 11.3 | 21 |
| 62 | Degradation kinetics and chloropicrin formation during aqueous chlorination of dinoseb. Chemosphere, 2013, 93, 2662-2668. | 8.2 | 20 |
| 63 | Formation of iodinated trihalomethanes after ferrate pre-oxidation during chlorination and chloramination of iodide-containing water. Journal of the Taiwan Institute of Chemical Engineers, 2016, 60, 453-459. | 5.3 | 20 |
| 64 | Improving the organic and biological fouling resistance and removal of pharmaceutical and personal care products through nanofiltration by using in situ radical graft polymerization. Science of the Total Environment, 2018, 635, 543-550. | 8.0 | 20 |
| 65 | Degradation of diiodoacetamide in water by UV/chlorination: Kinetics, efficiency, influence factors and toxicity evaluation. Chemosphere, 2020, 240, 124761. | 8.2 | 20 |
| 66 | Degradation kinetics and DBP formation during chlorination of metribuzin. Journal of the Taiwan Institute of Chemical Engineers, 2017, 80, 255-261. | 5.3 | 19 |
| 67 | Using in situ modification to enhance organic fouling resistance and rejection of pharmaceutical and personal care products in a thin-film composite nanofiltration membrane. Environmental Science and Pollution Research, 2019, 26, 34073-34084. | 5.3 | 19 |
| 68 | Chlorination of bromacil: Kinetics and disinfection by-products. Separation and Purification Technology, 2019, 212, 913-919. | 7.9 | 17 |
| 69 | Biowaste-to-biochar through microwave-assisted wet co-torrefaction of blending mango seed and passion shell with optoelectronic sludge. Energy, 2021, 225, 120213. | 8.8 | 17 |
| 70 | Identification and quantification of ineffective chlorine by NaAsO 2 selective quenching method during drinking water disinfection. Chemical Engineering Journal, 2015, 277, 295-302. | 12.7 | 16 |
| 71 | Kinetics of iohexol degradation by ozonation and formation of DBPs during post-chlorination. Journal of Water Process Engineering, 2020, 35, 101200. | 5.6 | 15 |
| 72 | Mechanistic study on chlorine/nitrogen transformation and disinfection by-product generation in a UV-activated mixed chlorine/chloramines system. Water Research, 2020, 184, 116116. | 11.3 | 15 |

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| 73 | Repurposing Washingtonia filifera petiole and Sterculia foetida follicle waste biomass for renewable energy through torrefaction. Energy, 2021, 223, 120101. | 8.8 | 15 |
| 74 | Effects of Microwave ï¼•Induced Torrefaction on Waste Straw Upgrading. International Journal of Chemical Engineering and Applications (IJCEA), 2015, 6, 401-404. | 0.3 | 15 |
| 75 | Degradation of 2-phenylbenzimidazole 5-sulfonic acid by UV/chlorine advanced oxidation technology: Kinetic model, degradation byproducts and reaction pathways. Journal of Hazardous Materials, 2022, 431, 128574. | 12.4 | 15 |
| 76 | Formation of Volatile Halogenated By-Products During the Chlorination of Oxytetracycline. Water, Air, and Soil Pollution, 2012, 223, 4429-4436. | 2.4 | 14 |
| 77 | Effects of Physicochemical Properties of Nanofiltration Membranes on the Rejection of Small Organic DBP Precursors. Journal of Environmental Engineering, ASCE, 2013, 139, 127-136. | 1.4 | 14 |
| 78 | Effect of pipe corrosion productâ€“goethiteâ€“on the formation of disinfection by-products during chlorination. Desalination and Water Treatment, 2016, 57, 553-561. | 1.0 | 14 |
| 79 | Dry and wet seasonal variation of total mercury, inorganic mercury, and methylmercury formation in estuary and harbor sediments. Journal of Environmental Management, 2020, 253, 109683. | 7.8 | 14 |
| 80 | Formation of disinfection by-products in a UV-activated mixed chlorine/chloramine system. Journal of Hazardous Materials, 2021, 407, 124373. | 12.4 | 14 |
| 81 | Dissolved organic matter fractions and disinfection by-product formation potential from major raw waters in the water-receiving areas of south-to-north water diversion project, China. Desalination and Water Treatment, 2015, 56, 1689-1697. | 1.0 | 13 |
| 82 | Chlorination of bensulfuron-methyl: Kinetics, reaction factors and disinfection by-product formation. Journal of the Taiwan Institute of Chemical Engineers, 2015, 53, 46-51. | 5.3 | 13 |
| 83 | A Novel Event Detection Model for Water Distribution Systems Based on Data-Driven Estimation and Support Vector Machine Classification. Water Resources Management, 2019, 33, 4569-4581. | 3.9 | 13 |
| 84 | The application of UV-C laser in persulfate activation for micropollutant removal: Case study with iodinated X-ray contrast medias. Science of the Total Environment, 2021, 779, 146340. | 8.0 | 13 |
| 85 | The formation, analysis, and control of chlor(am)ination-derived odor problems: A review. Water Research, 2021, 203, 117549. | 11.3 | 13 |
| 86 | Enhanced degradation of emerging contaminants by permanganate/quinone process: Case study with bisphenol A. Water Research, 2022, 219, 118528. | 11.3 | 13 |
| 87 | Effect of UV irradiation on the proportion of organic chloramines in total chlorine in subsequent chlorination. Chemosphere, 2016, 144, 940-947. | 8.2 | 12 |
| 88 | Sludge dewatering through H2O2 lysis and ultrasonication and recycle for energy by torrefaction to achieve zero waste: An environmental and economical friendly technology. Renewable and Sustainable Energy Reviews, 2022, 155, 111857. | 16.4 | 12 |
| 89 | Detecting phthalate esters in sludge particulates from wastewater treatment plants. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2020, 55, 1233-1240. | 1.7 | 11 |
| 90 | Formation and control of organic chloramines and disinfection by-products during the degradation of pyrimidines and purines by UV/chlorine process in water. Chemosphere, 2022, 286, 131747. | 8.2 | 11 |

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| 91 | Organic chloramines attenuation and disinfection by-product formation during UV, chlorination and UV/chlorine processes. Chemosphere, 2022, 303, 135025. | 8.2 | 10 |
| 92 | Degradation of acrylamide during chlorination as a precursor of haloacetonitriles and haloacetamides. Science of the Total Environment, 2018, 615, 38-46. | 8.0 | 9 |
| 93 | Degradation kinetics of prometryn and formation of disinfection by-products during chlorination. Chemosphere, 2021, 276, 130089. | 8.2 | 9 |
| 94 | Effect of UV Irradiation and UV/Chlorine Processes on Trichloronitromethane Formation During Chlorination of Ronidazole. Clean - Soil, Air, Water, 2017, 45, 1600163. | 1.1 | 8 |
| 95 | Enhanced Heterogeneous Photodegradation of Organic Pollutants by a Visible Light Harvesting CoO@mesoâ€“CN@MoS2 Nanocomposites. Catalysts, 2020, 10, 722. | 3.5 | 8 |
| 96 | Micropollutant removal and disinfection byproduct control by sequential peroxymonosulfate-UV treatment in water: A case study with sulfamethoxazole. Journal of Environmental Sciences, 2022, 117, 141-150. | 6.1 | 8 |
| 97 | Evaluation of Source Water Quality Standards for Total Coliforms, TOC, and COD in Taiwan. Practice Periodical of Hazardous, Toxic and Radioactive Waste Management, 2005, 9, 193-203. | 0.4 | 7 |
| 98 | Development and Implementation of Performance Evaluation System for a Water Treatment Plant: Case Study of Taipei Water Treatment Plant. Practice Periodical of Hazardous, Toxic and Radioactive Waste Management, 2007, 11, 36-47. | 0.4 | 7 |
| 99 | Photodegradation pathway of iodate and formation of I-THMs during subsequent chloramination in iodate-iodide-containing water. Water Research, 2021, 193, 116851. | 11.3 | 7 |
| 100 | Degradation kinetics and disinfection by-product formation of chlorimuron-ethyl during aqueous chlorination. Separation and Purification Technology, 2018, 204, 49-55. | 7.9 | 6 |
| 101 | Kinetics and formation of disinfection byproducts during iohexol chlor(am)ination. Separation and Purification Technology, 2020, 243, 116797. | 7.9 | 6 |
| 102 | Iodinated trihalomethanes formation in iopamidol-contained water during ferrate/chlor(am)ination treatment. Chemosphere, 2021, 272, 129568. | 8.2 | 6 |
| 103 | Kinetics of diatrizoate degradation by ozone and the formation of disinfection by-products in the sequential chlorination. Journal of Water Reuse and Desalination, 2021, 11, 560-571. | 2.3 | 6 |
| 104 | Mineralization of sulfamethoxazole by ozone-based and Fenton/Fenton-like-based processes. Reaction Kinetics, Mechanisms and Catalysis, 2022, 135, 441-457. | 1.7 | 6 |
| 105 | Reduction of N-Nitrosodimethylamine (NDMA) in Aqueous Solution by Nanoscale Fe/Al2(SO4)3. Water, Air, and Soil Pollution, 2013, 224, 1. | 2.4 | 5 |
| 106 | Enhancing H2O2 Tolerance and Separation Performance through the Modification of the Polyamide Layer of a Thin-Film Composite Nanofiltration Membrane by Using Graphene Oxide. Membranes, 2021, 11, 592. | 3.0 | 5 |
| 107 | In-situ radical graft modification of NF270 to improve membrane separation: Effects of water salinity and fouling types. Environmental Technology and Innovation, 2022, 27, 102758. | 6.1 | 5 |
| 108 | Monochloramination of Oxytetracycline: Kinetics, Mechanisms, Pathways, and Disinfection Byâ€Products Formation. Clean - Soil, Air, Water, 2013, 41, 969-975. | 1.1 | 3 |

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| 109 | Synthesizing Various Organic Polyacid Compounds for Modifying Forward Osmosis Membranes to Enhance Separation Performance. Membranes, 2021, 11, 597. | 3.0 | 3 |
| 110 | Degradation Kinetics and Disinfection By-Product Formation of Iopromide during UV/Chlorination and UV/Persulfate Oxidation. Water (Switzerland), 2022, 14, 503. | 2.7 | 3 |
| 111 | Hydrothermal method of synthesis, characterization and TFN FO membrane performances of silverton-type anion with 1, 3, 5-triazine hybrid material. Chemical Engineering Research and Design, 2022, 180, 190-199. | 5.6 | 3 |
| 112 | Single-step solvothermal process for synthesizing SnO2/Bi2WO6 composites with high photocatalytic activity in the photodegradation of C.I. Reactive Red 2 under solar light. Reaction Kinetics, Mechanisms and Catalysis, 2019, 126, 1097-1113. | 1.7 | 2 |
| 113 | Mitigating Silica Fouling and Improving PPCP Removal by Modified NF90 Using In Situ Radical Graft Polymerization. Membranes, 2021, 11, 904. | 3.0 | 2 |
| 114 | Enhanced formation of iodinated trihalomethanes in a mixed chlorine/chloramine system and attenuation by UV-activated process. Journal of Hazardous Materials, 2022, 429, 128370. | 12.4 | 2 |
| 115 | Membrane Fouling Control in Water Treatment. Membranes, 2022, 12, 551. | 3.0 | 2 |
| 116 | Establishment and Implementation of Source Water Implementation Plan for Water Treatment Plants in Taiwan. Practice Periodical of Hazardous, Toxic and Radioactive Waste Management, 2007, 11, 2-10. | 0.4 | 1 |
| 117 | Enhancing trace acrylamide analysis by bromine derivatization coupled with direct-immersion solid-phase microextraction in drinking water. Environmental Technology (United Kingdom), 2020, 42, 1-8. | 2.2 | 0 |